Ontario Ministry of Northern Development and Mines

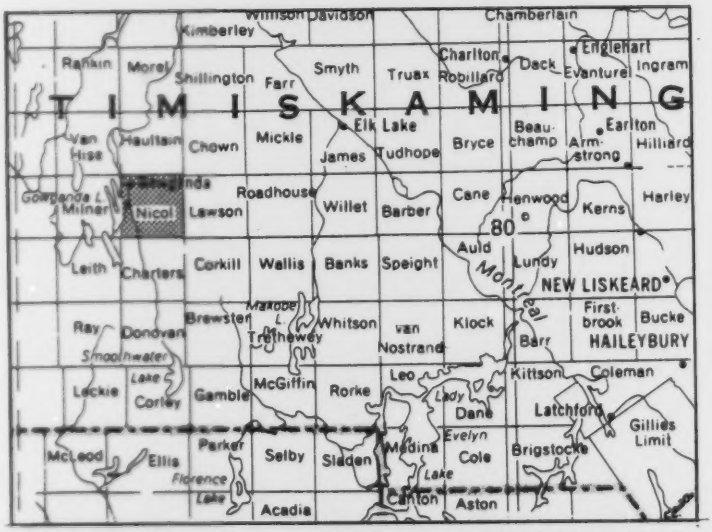
Mines and Minerals Division

ONTARIO GEOLOGICAL SURVEY

GEOLOGICAL DATA INVENTORY FOLIO 504

NICOL TOWNSHIP

Compiled by the Staff of
the Resident Geologist's Office
Cobalt



LOCATION MAP

Scale: 1:1 013 760 or 1 inch=16 miles

CANADA ONTARIO Mineral Development Exploitation Minérale

This project is part of the five year Canada–Ontario 1985 Mineral Development Agreement (COMDA), a subsidiary agreement to the Economic and Regional Development Agreement (ERDA) signed by the governments of Canada and Ontario.

90-05985/

NTS Number 41P/10

Mining Claim Map Number M-239

This project was funded under the Canada-Ontario Mineral Development Agreement (COMDA)

STATEMENT. This inventory is unedited. Discrepancies may occur for which the Ontario Geological Survey does not assume liability. Information from this source may be quoted if credit is given. Reference to this inventory should be made as follows:

Ontario Geological Survey 1990. Nicol Township, Geological Data Inventory Folip 504; compiled by the staff of the Resident Geologist's office, Cobalt.

Original Compilation by: Patricia Anderson, January 24, 1989

Date	Page Revised	Revised by

Date	Page Revised	Revised by

Nicol Township

CONVERSION FACTORS FOR MEASUREMENTS IN ONTARIO GEOLOGICAL SURVEY PUBLICATIONS

If the reader wishes to convert imperial units to SI (metric) units or SI units to imperial units the following multipliers should be used:

CONVERSION FROM SI TO IMPERIAL			CONVERSION FROM IMPERIAL TO SI		
SI Unit	*Multiplied by*	*Gives*	*Imperial Unit*	*Multiplied by*	*Gives*
			LENGTH		
1 mm	0.039 37	inches	1 inch	**25.4**	mm
1 cm	0.393 70	inches	1 inch	**2.54**	cm
1 m	3.280 84	feet	1 foot	**0.304 8**	m
1 m	0.049 709 7	chains	1 chain	20.116 8	m
1 km	0.621 371	miles (statute)	1 mile (statute)	**1.609 344**	km
			AREA		
1 cm^2	0.155 0	square inches	1 square inch	**6.451 6**	cm^2
1 m^2	10.763 9	square feet	1 square foot	**0.092 903 04**	m^2
1 km^2	0.386 10	square miles	1 square mile	2.589 988	km^2
1 ha	2.471 054	acres	1 acre	0.404 685 6	ha
			VOLUME		
1 cm^3	0.061 02	cubic inches	1 cubic inch	**16.387 064**	cm^3
1 m^3	35.314 7	cubic feet	1 cubic foot	0.028 316 85	m^3
1 m^3	1.308 0	cubic yards	1 cubic yard	0.764 555	m^3
			CAPACITY		
1 L	1.759 755	pints	1 pint	0.568 261	L
1 L	0.879 877	quarts	1 quart	1.136 522	L
1 L	0.219 969	gallons	1 gallon	**4.546 090**	L
			MASS		
1 g	0.035 273 96	ounces (avdp)	1 ounce (avdp)	28.349 523	g
1 g	0.032 150 75	ounces (troy)	1 ounce (troy)	**31.103 476 8**	g
1 kg	2.204 62	pounds (avdp)	1 pound (avdp)	**0.453 592 37**	kg
1 kg	0.001 102 3	tons (short)	1 ton (short)	**907.184 74**	kg
1 t	1.102 311	tons (short)	1 ton (short)	**0.907 184 74**	t
1 kg	0.000 984 21	tons (long)	1 ton (long)	**1016.046 908 8**	kg
1 t	0.984 206 5	tons (long)	1 ton (long)	**1.016 046 908 8**	t
			CONCENTRATION		
1 g/t	0.029 166 6	ounce (troy)/ ton (short)	1 ounce (troy)/ ton (short)	34.285 714 2	g/t
1 g/t	0.583 333 33	pennyweights/ ton (short)	1 pennyweight/ ton (short)	1.714 285 7	g/t

OTHER USEFUL CONVERSION FACTORS

1 ounce (troy)/ton (short)	20.0	pennyweights/ton (short)
1 pennyweight/ton (short)	0.05	ounce (troy)/ton (short)

One gram(g) per tonne is equivalent to one part per million (1 ppm).

NOTE–Conversion factors which are in bold type are exact. The conversion factors have been taken from or have been derived from factors given in the Metric Practice Guide for the Canadian Mining and Metallurgical Industries published by The Mining Association of Canada in co-operation with the Coal Association of Canada.

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ACCOMPANYING MAPS

Property Location Map - Map 1 - Properties 1-35
Map 2 - Properties 36-53

Exploration Data Map - Map 3

Map Scale 1:31 680 or 1 inch to ½ mile

DATA SOURCES CHECK LIST

NOTE: The following sources have been searched to compile the data for this area. If no reference data was found the appropriate box is marked 'no'; if reference data was found, the box is marked 'yes'.

All reference data found are included in the following pages. If the box is blank, the data source has not yet been searched. If the box is marked N.A., the source item is Not Applicable to this area and therefore not searched.

	SOURCES OF DATA	Data	Initial
1	Resident Geologist's Office Files	Yes	D.P.A.
2	Assessment Files Research Office, Toronto	Yes	D.P.A.
3	ODM General Index; 9 Volumes	Yes	D.P.A.
4	Catalogue of Airborne Geophysical Surveys (ODM)	N.A.	D.P.A.
5	ODM Mineral Resources Circulars and OGS Mineral Deposits Circulars	Yes	D.P.A.
6	ODM Industrial Mineral Reports	No	D.P.A.
7	Bibliography of Post Precambrian Theses - Karrow (ODM MP 1)	No	D.P.A.
8	Bibliography of Precambrian Theses - Ginn (ODM MP 2)	No	D.P.A.
9	Newspaper Clippings File	Yes	D.P.A.
10	GSC Index to Publications	Yes	D.P.A.
11	OGS Index to Published Maps and Reports - MP 77 and Supplements to MP 77	Yes	D.P.A.
12	OGS Index Maps	Yes	D.P.A.
13	Source Mineral Deposit Records (O.G.S.)	Yes	D.P.A.
14	Author - Subject Articles File	Yes	D.P.A.
15	Miscellaneous Papers: ODM & OGS	No	D.P.A.
16	ODM Geological Circulars: OGS Study Series	No	D.P.A.
17	ODM Preliminary Reports: ODM Bulletins	Yes	D.P.A.
18	ODM – OGS Open File Reports	Yes	D.P.A.
19	OGS Northern Ontario Engineering Geology Terrain Studies	Yes	D.P.A.
20	OGS Aggregate Resources Inventory Papers	N.A.	D.P.A.
21	OGS Mineral Potential Maps	Yes	D.P.A.
22	Theses on File, Cobalt	Yes	D.P.A.
23	Aerial Photographs on File, Cobalt	Yes	D.P.A.

METALS AND MINERALS REFERENCES LIST

△ anh. . . . . .Anhydrite
△ ank. . . . . .Ankerite
△ anna . . . . . Annabergite
△ ap. . . . . .Apatite
▲ arg . . . . . Argentite
▲ As . . . . . .Arsenic
△ asp . . . . . .Arsenopyrite
▲ asb . . . . . .Asbestos
△ ba. . . . . .Barite
△ be. . . . . .Beryl
▲ Bi. . . . . .Bismuth
▲ bn . . . . . .Bornite
△ bran . . . . . .Brannerite
△ bruc . . . . . .Brucite
△ Cd . . . . . Cadmium
△ calc. . . . . Calcite
△ carb . . . . . .Carbonate
△ cel . . . . . .Celestite
△ cc. . . . . .Chalcocite
▲ cp. . . . . .Chalcopyrite
△ ch. . . . . .Chert
△ clay . . . . . .Clay
▲ Co . . . . . Cobalt
▲ cob. . . . . Cobaltite
△ cb. . . . . .Columbite
▲ Cu . . . . . .Copper
△ cor . . . . . Corundum
△ dol . . . . . Dolomite
△ ep. . . . . Epidote
▲ ery . . . . . Erythrite
△ fel . . . . . .Feldspar
△ fl . . . . . .Fluorite (flurospar)
△ fu. . . . . .Fuchsite
▲ gn. . . . . Galena
△ gt . . . . . Garnet
△ goe . . . . . .Goethite
△ Au . . . . . Gold
△ gf . . . . . .Graphite
△ gl . . . . . Gravel
△ gyp. . . . . Gypsum
▲ hem . . . . . Hematite
△ il . . . . . Ilmenite
▲ Fe . . . . . .Iron
▲ IF. . . . . Iron Formation
▲ jas . . . . . Jasper
△ kaol . . . . . .Kaolinite (kaolin)
△ ky . . . . . Kyanite
▲ Pb . . . . . Lead
△ lim . . . . . Limonite
△ Li. . . . . Lithium
△ mgst . . . . . .Magnesite
▲ mag . . . . . .Magnetite
△ mc . . . . . Malachite
△ Mn . . . . . Manganese
△ mb . . . . . Marble
△ mar. . . . . Marcasite
△ ma . . . . . .Marl
△ mi . . . . . Mica
△ ml . . . . . .Millerite
▲ mo . . . . . Molybdenite
△ Mo . . . . . .Molybdenum
△ mon . . . . . Monazite
△ ne. . . . . Nephelite (nepheline)
▲ nc. . . . . .Niccolite
▲ Ni. . . . . Nickel
△ Nb . . . . . .Niobium
△ Pd . . . . . Palladium
△ peat . . . . . .Peat
△ pent . . . . . Pentlandite
△ Pt. . . . . .Platinum
▲ py . . . . . .Pyrite
△ pyl . . . . . Pyrochlore
△ pyrl . . . . . .Pyrolusite
▲ po . . . . . .Pyrrhotite
△ q . . . . . Quartz
△ qcv . . . . .Quartz carbonate vein
△ ra. . . . . .Radioactive minerals
△ RE . . . . . .Rare Earths
△ sd. . . . . Sand
△ sgl . . . . . Sand and gravel
△ ss . . . . . .Sandstone
△ scap . . . . . Scapolite
△ shee . . . . . .Scheelite
▲ serp . . . . . Serpentine
△ sh. . . . . Shale
△ sid . . . . . Siderite
△ si . . . . . Silica
▲ Ag . . . . . .Silver
△ sl . . . . . Slate
▲ sm . . . . . Smaltite
△ sod . . . . . Sodalite
▲ spec . . . . . Specularite
▲ sp. . . . . .Sphalerite
△ spd . . . . . .Spodumene
△ staur . . . . . .Staurolite
△ stib. . . . . Stibnite
△ st . . . . . .Stone
△ talc. . . . . .Talc
△ Te . . . . . .Tellurium
△ td. . . . . Tetrahedrite
△ th. . . . . .Thorite
△ Th . . . . . .Thorium
△ thuc . . . . . Thucholite
△ ti . . . . . Titanite
△ Ti. . . . . Titanium
△ tour . . . . . .Tourmaline
△ trap . . . . . .Trap rock
△ W. . . . . Tungsten
△ uran . . . . . Uraninite
△ U . . . . . .Uranium
△ verm . . . . . .Vermiculite
△ Y . . . . . Yttrium
△ Zn . . . . . .Zinc
△ zr . . . . . Zircon

▲ax. . . . . Axinite
▲act. . . . . Actinolite
▲zo. . . . . Zoisite

Solid triangles indicate metal and mineral occurrences shown on the accompanying maps or listed in Drillhole Summary.

NICOL TOWNSHIP

MINERAL OCCURRENCES

Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
A.	Big Four (R.D. MacDougald)	Ag- major Co,Ni, Cu-As Pb minor	T 0273	MRC 10, p. 411, 368-369	OGS, 1976, Map 2349 OGS, 1978, Rpt. 175, pp. 124-126 ODM, 1926, AR Vol 35, pt. 3, p. 40 ODM, 1926, Map 35d ODM, 1966, Map P.374
B.	Chapelle (Silver Bar, Coleroy, Silver Bullion)	Ag - major Co, Cu, Ni- minor	T 0275	NMI 41P/10 Ag 14 MRC 10, p. 412, 368-369	OGS, 1976, Map 2349 OGS, 1978, Report 175, p. 136 ODM, 1926, AR Vol 35, pt. 3, p. 41 ODM, 1926, Map 35d ODM, 1966, Map P.374
C.	Coleroy (Silver Bar Mines Ltd., Coleroy-Gowganda Mines)	Ag - major Co, Ni, Cu- minor	T 0276	MRC 10, p. 401, 368-369 NMI 41P/10 Ag 14	OGS, 1976, Map 2349 OGS, 1978, Report 175, pp. 132-133 ODM, 1926, AR Vol 35, pt. 3, pp. 44-46 ODM, 1966, Map P.374 ODM, 1964, Map 2046

GDIF FORM NO. 1

MINERAL OCCURRENCES

Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
C. cont.	Coleroy (Silver Bar Mines Ltd., Coleroy-Gowganda Mines)				ODM, 1956, Map 1955-3 ODM, 1926, Map 35d
D.	Dodds (Silver Bullion)	Ag - major Co, Ni, Bi, Cu - minor	T 0277	MRC 10, p. 406, 368-369 NMI 41P/10 Ag 14	OGS, 1976, Map 2349 OGS, 1978, Report 175, pp. 133-136 ODM, 1926, AR Vol 35, pt. 3, pp. 46-48 ODM,1926, Map 35d ODM, 1966, Map P.374 ODM, 1964, Map 2046 ODM, 1956, Map 1955-3
E.	Hart	Ag - major Cu, Co, Ni - minor	T 0278		OGS, 1976, Map 2349 OGS, 1978, Report 175, p. 127 OGS, 1926, AR Vol 35, pt. 3, p. 46
F.	Miller Lake (Miller Lake O'Brien, Siscoe Metals)	Ag - major Co, Ni, Cu - minor	T 0279	MRC 10, pp. 402-403, 368-369 NMI 41P/10 Ag 26, 37	OGS, 1976, Map 2349 OGS, 1978, Rpt. 175, pp. 139-144 OGS, 1920, AR Vol 29, pt. 3, pp. 81-84

GOIF FORM NO. 1

MINERAL OCCURRENCES

Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
F. cont.	Miller Lake (Miller Lake O'Brien, Siscoe Metals)				IGC 1972, Section 4, pp. 528-538 past producer ODM, 1926, AR Vol 35, pt. 3, pp. 27-32 Cimm Trans., 1967, Vol 70, pp. 277-286 ODM, 1966, Map P.374 ODM, 1964, Map 2046 ODM, 1956, Map 1955-3 ODM, 1926, Map 35d ODM, 1955, AR Vol 64, pt. 5, pp. 34-35
G.	Morrison (Consolidated Morrison Explorations Ltd.)	Ag - major Co, Ni - minor	T 0280	MRC 10, pp. 404-405, 368,369 NMI 41P/10, Ag 13	OGS, 1976, Map 2349 OGS, 1978, Rpt. 175, pp. 118-121 ODM, 1966, Map P.374 ODM, 1926, AR Vol 35, pt. 3, p. 44 ODM, 1926, Map 35d past producer, 1935-1936 1952-1954

GDIF FORM NO. 1

MINERAL OCCURRENCES

Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
G. cont.	Morrison (Consolidated Morris Explorations Ltd.)				ODM, 1956, AR Vol 64, pt. 5, p. 35 ODM, 1956, Map 1955-3 ODM, 1964, Map 2046
H.	Shulmann, M.	Ag, Cu - major Co, Bi - minor	T 0282		OGS, 1976, Map 2349 OGS, 1978, Rpt. 175, p. 131
I.	Tamminen, T.V.	Cu - major Ag - minor	T 0283		OGS, 1976, Map 2349 OGS, 1978, Rpt. 175, p. 137
J.	United Reef	Ag - major	T 0284		OGS, 1976, Map 2349 OGS, 1978, Rpt. 175, pp. 137-139
K.	Walsh (Tonapah)	Ag - major Co, Ni, Cu, Bi - minor	T 0281	NMI 41P/10 Ag 20 MRC 10, p. 408-409, 368-369	past producer, 1925-27, 1940 OGS, 1976, Map 2349 OGS, 1978, Rpt. 175, pp. 127-130 ODM, 1926, AR Vol 35, pt. 3, p. 41-44

GDIF FORM NO. 1

MINERAL OCCURRENCES

Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
K. cont.	Walsh (Tonapah)				ODM, 1956, Map 1955-3 ODM, 1964, Map 2046 ODM, 1926, Map 35d ODM, 1956, AR Vol 64, pt. 5, p. 27
L.	Willars, J.G.	Ag - major	T 0285		OGS, 1976, Map 2349 OGS, 1978, Rpt. 175, pp. 146-147
M.	Castle No. 1 (McIntyre Porcupine Mines Ltd.)	Ag - major Bi, Fe, Co, Cu minor		MRC 10, p. 400, 368-369	ODM, 1956, Map 1955-3 ODM, 1964, Map 2046 ODM, 1926, Map 35d past producer 1917-1931 1948
N.	Blair-Gowganda Silver ML	Ag, Co		MRC 10, p. 412, 368-369	ODM, 1928, AR Vol 37, pt. 1, p. 166 ODM, 1926, Map 35d ODM, 1966, Map P.374
O.	Camburn Prospect	Cu		MRC 10, p. 368-369, 412	ODM, 1926, Map 35d ODM, 1966, Map P.374

GDIF FORM NO. 1

MINERAL OCCURRENCES

Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
P.	Millcrest (Castlebar-Brunhurst)	Co, Ni, Bi - minor		MRC 10, p. 368-369, 412 NMI 41P/10 Ag 17	ODM, 1926, Map 35d ODM, 1966, Map P.374
Q.	Hylands-Johnson Gardiner Prospect	Ag		MRC 10, p. 368-369, 412	ODM, 1926, Ar Vol 35, pt. 3, p. 44 ODM, 1926, Map 35d ODM, 1966, Map P.374
R.	Banker Bay Occurrence	IF		MRC 11, p. 475	ODM, 1966, Map P.374 ODM, 1955, Vol 64, pt. 5
S.	Castlebar-Nicol	Ag, hem, cp		NMI 41P/10 Ag 15	Nicol Tp. AF, Castlebar Silver & Cobalt Mines Ltd.
T.	Castlebar-Des Autels	Ag		NMI 41P/10 Ag 18	Nicol Tp. AF, Castlebar Silver & Cobalt Mines Ltd.

GDIF FORM NO. 1

TYPE OF WORK		Numbers below represent the year in which the work was done: e.g., 68 for 1968.																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE COBALT COMPANY/AUTHOR (file number)		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY			
1	Ash, W.A.							13												
2	(The) Big Four - Ronald McDougald			62 64 71 70 69 67	64	67 64														
3	Byberg, Andrew							62												
4	Caesar Minerals Ltd. AFRO #63-1113				61			61				61								
5	Cambourne Silver Mines Ltd., Chapelle Claims						20	20												
6	Carnegie, Frank							20												

TYPE OF WORK		Numbers below represent the year in which the work was done; e.g., 68 for 1968.																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE COBALT		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY			
COMPANY/AUTHOR (file number)																				
7	Cartier Malartic Gold Mines Ltd. AFRO #63A-3	47																		
8	Castlebar Silver & Cobalt Mines Ltd.							69												
a	MR 18610, 18611, 18865 (HS 328, 329) Millcrest Mining Co.1926 Fairmac Silver Mines 1935 Brunhurst Mines Ltd. (26) Castlebar 1958			53 54	53 54															
b	MR 23995-97 (TC 322, 323, 383) Messrs. Beadman and Sandford Castlebar 1958				61			65												

GDIF FORM NO. 2

(#) Refer to numbered property for further information.

TYPE OF WORK		Numbers below represent the year in which the work was done; e.g., 68 for 1968.																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE COBALT		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY			
COMPANY/AUTHOR (file number)																				
8 cont. c	Castlebar Silver & Cobalt Mines Ltd. MR 29064-66, MR 29299, Nicol & Haultain Twps. G. Des Autels Castlebar 1959																			
9.	Coleroy Silver Mines Ltd. (TC 220, AN7) Collins (TC220) (10) & Daley (AN7)																			
	Coleroy Gowganda Mines Ltd. (also had WJ 6,7,8,10)						24													
	Coleroy Mining Co.						25													
	Coleroy Silver Mines Ltd.						25 26 27	25 28												

GDIF FORM NO. 2

TYPE OF WORK		Numbers below represent the year in which the work was done; e.g., 68 for 1968.																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE COBALT		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY			
COMPANY/AUTHOR (file number)																				
10	Collins, Howard (9)			18			19 20 21													
11	Consolidated Morrison Explorations Ltd. (28) TC 204, 315, HR 204, 205 General Morrison - 1909 Northern Mining Co. (TC 204, 315) 1909 Canadian Gowganda Silver Mines Ltd. (HR 204, 205) 1909 Tonapah Canadian Mines Ltd. (all 4 claims) 1925 option Tonapah + Northern = Morrison Mines Ltd. (1927)			25- 27			11 11 27 29 30 35 36														

GDIF FORM NO. 2

NICOL TOWNSHIP

TYPE OF WORK		Numbers below represent the year in which the work was done; e.g., 68 for 1968.																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE COBALT		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY			
COMPANY/AUTHOR (file number)																				
11 cont.	New Morrison Mines Ltd. (1951) (added WJ9) work on Morrison Mine						51-53													
	Lost Lake Mines Ltd.						53-55													
	Consolidated Morrison Explorations Ltd. (1955)																			
12	WJ9 claim (11) Gard (19?)																			
	Huronian Belt Co. Ltd. (48)						25													
	WJ9 Silver Mines						26 27													
	New Morrison Mines Ltd. (11) (28)						51													
13	Fairmont Exploration Ltd.							50												

GDIF FORM NO. 2

TYPE OF WORK		Numbers below represent the year in which the work was done; e.g., 68 for 1968.																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE COBALT		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY			
COMPANY/AUTHOR (file number)																				
14	Gamble, W.A.				56															
15	Gibson, D.H. and Duggan, H.			20				20												
16	Giles, K.			61	61															
17	Giroux, Oscar			75																
18	Glendenning, George							?												
19	Hammill, Patrick			77 76																
20	Hampshire Minerals Inc. -50% interest with United Reef Petroleums Ltd. (37)							68												

GDIF FORM NO. 2

NICOL TOWNSHIP

TYPE OF WORK		Numbers below represent the year in which the work was done; e.g., 68 for 1968.																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE COBALT		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY			
	COMPANY/AUTHOR (file number)																			
21	Hyland, Johnson, Gardner			25			25													
	Plata Mines Ltd., 1926 (subsidiary of Noranda Mines Ltd.)						26 27													
	Cobalt Consolidated Mining Corp.				52		52													
22	Indore Gold Mines Ltd.				53 51	51														
23	International Mine Services Ltd.	65			68 67	68														
	AFRO #63A-458																			
	former work			?	?															
24	Leroy Lake Syndicate, Leroy Mine				09		09													
	No data in Drill Hole Summary sheets																			

GDIF FORM NO. 2

TYPE OF WORK		Numbers below represent the year in which the work was done; e.g., 68 for 1968.																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE COBALT		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY			
COMPANY/AUTHOR (file number)																				
25	Millcrest Mining Co. Ltd. Nicol and Haultain Twps.							50												
26	Brunhurst Mines Ltd. 1953-1958 (25) Castlebar 1958 (8a)				53															
27	Miller, W.N. 1910																			
28	New Morrison Mines Ltd. (11) General Morrison 1909			09																
	Northern Mining Co. (TC204, 315) 1909						11													
	Canadian Gowganda Silver Mines Ltd. (HR204, 205) 1909						11													
	Tonapah Canadian Mines Ltd. 1925-1927, option						25													

GDIF FORM NO. 2

TYPE OF WORK		Numbers below represent the year in which the work was done; e.g., 68 for 1968.																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE COBALT COMPANY/AUTHOR (file number)		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY			
28 cont.	Morrison Mines Ltd. 1927-51					32	29 30 35 36													
	New Morrison Mines Ltd. 1951-1953, main shaft on TC 315 producing				52		51 52 53	51 51 54												
	Lost Lake Mines Ltd. (Siscoe Metals Ltd.) 1953-1955				54		53 54													
	Consolidated Morrison Explorations Ltd. 1955																			
29	Nichaul Mining Co. Ltd.				56 57	56 57														
30	Palmer-Paine Mines Ltd. (Stephanson claim)							12												
	Stephanson?			?			08													
	T.C. 177 Mining Co. Ltd.						17													

GDIF FORM NO. 2

TYPE OF WORK		Numbers below represent the year in which the work was done; e.g., 68 for 1968.																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE COBALT		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY			
COMPANY/AUTHOR (file number)																				
30 cont.	Palmer-Paine						18 19													
31	Quebec Yellowknife Gold Mines Ltd. AFRO #63A-2, 63A-88	50 47			51	51														
32	Ribble, A.																			
33	Silver Bullion						19 21 25 26	23 23 25												
34	Siscoe Metals of Ontario Ltd. AFRO #63A-517, 63G-4																			
a	"K" Project"		68 66																	
b	"The Main Mine" (Miller Lake O'Brien Mine)																			

GDIF FORM NO. 2

TYPE OF WORK		Numbers below represent the year in which the work was done; e.g., 68 for 1968.																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE COBALT	COMPANY/AUTHOR (file number)	GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY			
34b cont.	Gates (RSC 90-91) - 1908																			
	Miller Lake Mining Co. -1909																			
	Miller Lake O'Brien Co. 1910-1939				37-39		10-39													
	leased 1940-1944				43 44		42-44													
	Siscoe Metals of Ontario Ltd.				46 47 51 52 66 67	45 67	45-72	46 50 51												
c	Siscoe Metals, Ltd. McIntyre-Porcupine Mines Ltd. - Castle Option (44) (35) (49) Nicol and Haultain Tps. (shaft in Haultain Tp.)																			

GDIF FORM NO. 2

TYPE OF WORK		Numbers below represent the year in which the work was done; e.g., 68 for 1968.																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE COBALT		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY			
COMPANY/AUTHOR (file number)																				
34c cont.	Trethewey Silver Cobalt Mining Co. Ltd. - 1918						17-31													
	Castle-Trethewey Mines Ltd. - 1922						48													
	McIntyre-Porcupine Mines Ltd. - 1959						59-66													
	- acquired Capitol, Castle No. 243, Everett in Haultain Tp. and Castle No. 1, Hart, Walsh (Tonapah) in Nicol																			
	Siscoe Metals of Ontario Ltd. - 1966-1972				62		68	58												
	lease						69	55												
								52												
d	"T" project (Roy-Ten claims)	67	66					46												
	Haultain & Nicol Tps.																			

GDIF FORM NO. 2

TYPE OF WORK		Numbers below represent the year in which the work was done; e.g., 68 for 1968.																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE COBALT		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY			
	COMPANY/AUTHOR (file number)																			
35	United Reef Petroleums Ltd. (20) AFRC #63A-544, 63G-10 ? Ford, T.	68	68 07-10 65-67		68 69	68 69														
36	Temiskaming Project Syndicate AFRO #27202-3	59										59	59							
37	Agnico-Eagle Mines Ltd. leased 1979 (34c) (44) (49) Haultain & Nicol Twp. pers. com. B. Thorniley, Chief Geologist - using Castle-Tretheway shaft in Haultain Twp.							79-88												

GDIF FORM NO. 2

TYPE OF WORK		Numbers below represent the year in which the work was done; e.g., 68 for 1968.																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE COBALT		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY			
COMPANY/AUTHOR (file number)																				
37 cont.	Coleroy Shaft (Leroy) lease from Peerless, 1988						88-89													
38	Walsh Silver Mines Ltd. RSC 98, GG 3879 (11)																			
	option to Crown Reserve Mining Co. 1917-18						17 18													
	Walsh Mines Ltd.						20													
	Victoria Syndicate Ltd.						24													
	Tonapah Canadian Mines Ltd.						24													
39	Wilkinson							50												
40	Willars, Jack G. AFRO #63-2528	69				?						69	69							

GDIF FORM NO. 2

TYPE OF WORK		Numbers below represent the year in which the work was done; e.g., 68 for 1968.																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE COBALT		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY			
COMPANY/AUTHOR (file number)																				
41	Canadian Gowganda Silver Mines Ltd. (28) Lawson & Nicol Tps. - all claims leased from Ontario Provincial Government						pre 28	49 28												
42	Royal Gold and Silver Corp AFRO #63.4424 Central Milner Option Lawson and Nicol Tps.	84						84												
43	Silver Dollar Mines, Calcite Group AFRO #63A-26	47			47															

GDIF FORM NO. 2

TYPE OF WORK		Numbers below represent the year in which the work was done; e.g., 68 for 1968.																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE COBALT		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY			
	COMPANY/AUTHOR (file number)																			
44	Castle-Trethewey Mines Ltd. (34c) (35) (49) Haultain & Nicol Tps. (shaft in Haultain Twp.)	50						23 61 60 58 19												
	Castle Mining Co.			08-18		08-18														
	Trethewey Silver Cobalt Mining Co. Ltd., 1917			17			17-31													
	Castle-Trethewey Mines Ltd., 1922						48													
45	Gowganda Silver Mines Ltd., Chown, Lawson, Nicol, Haultain, Van Hise & Milner Tps. AFRO #63-2425, 63G-9		69					72 71 69 68				69								

GDIF FORM NO. 2

NICOL TOWNSHIP

TYPE OF WORK		Numbers below represent the year in which the work was done; e.g., 68 for 1968.																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE COBALT COMPANY/AUTHOR (file number)		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY			
46	Blair-Gowganda Mines Ltd. - 1929, Haultain & Nicol Tps. Blair Gowganda Silver Mines Ltd. - 1968			26			27 29 30													
47	Donaldson, E.T., Haultain & Nicol Tps.			63	63															
48	Gamble, Robert C., Thompson, Frederick, Haultain & Nicol Tps.																			
a	WJ9 Huronian Belt Co. (12) WJ Nine Silver Mines Gamble, R.C. (lease)						25 26 30													
b	Gamble/Thompson Coniagas Mines Ltd.					17		20 17												

GDIF FORM NO. 2

TYPE OF WORK		Numbers below represent the year in which the work was done; e.g., 68 for 1968.																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE / COBALT COMPANY/AUTHOR (file number)		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY			
49	Milner Consolidated Silver Mines Ltd., Haultain & Nicol Tps. (35) (44) (34c)	76						76												
50	New Redwood Gold Mines Ltd., Haultain & Nicol Tps., AFRO #63-219												50							
51	Peerless Silver & Cobalt Explorations Ltd. OMEP #OM10A-PA3-C-80 AFRO #63-3931																			
	Coleroy Shaft				81	81	81	81 79 81 81												

GDIF FORM NO. 2

NICOL TOWNSHIP

TYPE OF WORK		Numbers below represent the year in which the work was done; e.g., 68 for 1968.																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE COBALT COMPANY/AUTHOR (file number)		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY			
52	Plaunt, P. Haultain & Nicol Tps.							17												
53	Capitol Silver Mines Ltd. Haultain & Nicol Tps. (shaft in Haultain Tp.)				26		24 25													
	Castle-Trethewey Mines Ltd. (1929)						49-58													
	McIntyre-Porcupine Mines Ltd. (1959)						59-66													
	Siscoe Metals Ltd. (lease 1967-1980)						68-72													
	Agnico-Eagle Mines Ltd. No data in Drill Hole Summary sheets																			

GDIF FORM NO. 2

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth DEGREES	Initial Dip of Hole DEGREES	Thickness of Overburden FEET	Total Length of Hole FEET	Mineralization Noted in Log	Assay Data Included for
1	Big Four, Ronald McDougald	R.M.1	1964	338	-45	0	101	py, cp, IF, gn	Ag
2	Caesar Minerals Ltd.	1	1961	340	-50	8	336	py, po	
		2	1961	180	-50	24	258	py	
3	Caesar Minerals Ltd.	3	1961	180	-50	9	367	cp, po	
4	Caesar Minerals Ltd.	4	1961	190	-50	8	278	py, po, cp	
		5	1961	340	-50	9	279	py	
		6	1961	040	-50	32	245	py, cp	
		7	1961	170	-50	18	242		
5	Castlebar Silver and Cobalt Mines Ltd.	37	1961	010	-45	4	211	hem, cp	
6	Gamble, W.A.	1	1956	135	-45	8	128		
7	Gamble, W.A.	2	1956	090	-45	11	104	cp	
8	Giles, K.		1961	180	-42	0	105	cob	

GDIF FORM NO. 3

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth DEGREES	Initial Dip of Hole DEGREES	Thickness of Overburden FEET	Total Length of Hole FEET	Mineralization Noted in Log	Assay Data Included for
9	Cobalt Consolidated Mining Corp.	1	1952	045	-36	no logs	available		
		2	1952	060	-45				
		3	1952	355	-30				
		4	1952	075	-38				
		5	1952	335	+40	no logs	available		
		6	1952	335	+20				
		7	1952	080	+12				
		8	1952	315	+21				
10	Indore Gold Mines Ltd.	1	1951	285	-52	7	110		
11	Indore Gold Mines Ltd.	2	1951	285	-59	9	258	cp	
		3	1951	295	-60	9	71	cp	Ag
12	Indore Gold Mines Ltd.	4	1951	297	-57	5	162	cp	Ag
13	Indore Gold Mines Ltd.	1	1953	083	-70	14	91	cp, py	
		1B	1953	036	-45	15	62	cp, nc	
14	Indore Gold Mines Ltd.	2	1953	357	-65	7	113	cp, po	
15	Indore Gold Mines Ltd.	3	1953	064	-65	3	57	cp, po	

GDIF FORM NO. 3

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth DEGREES	Initial Dip of Hole DEGREES	Thickness of Overburden FEET	Total Length of Hole FEET	Mineralization Noted in Log	Assay Data Included for
16	Indore Gold Mines Ltd.	4	1953	182	-70	4	75	cp, po, nc	
17	Indore Gold Mines Ltd.	5	1953	134	-55	3	57	cp, nc	
18	Indore Gold Mines Ltd.	6	1953	312	-55	5	66	cp	
		7	1953	338	-55	5	79	spec	
19	International Mine Services Ltd.	N - 1	1967	280	-45	9	162	py, spec, cp	
		N - 2	1967	200	-45	11	164	spec, py, cp	
20	International Mine Services Ltd.	68 - 1	1968	340	-45	6	302	py, ax	Ag
21	? - found by International Mine Services Ltd.	?	?	- no data available - logged by International				no mineralization	
22	Brunhurst Mines Ltd.	1	1953	090	-80	7	891	nc, Ag	
23	Brunhurst Mines Ltd.	2	1953	180	-60	4	663		
24	Brunhurst Mines Ltd.	3	1953			0	142		
		3A	1953			0	18		

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DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth DEGREES	Initial Dip of Hole DEGREES	Thickness of Overburden FEET	Total Length of Hole FEET	Mineralization Noted in Log	Assay Data Included for
25	New Morrison Mines Ltd.		1952	82 DDH	holes, 5693'				
26	Lost Lake Mines Ltd.		1954	92 DDH	holes, 9057'				
27	Nichaul Mining Co. Ltd.	1	1956	090	-67	1.5	63	bn, cp	Ag
28	Nichaul Mining Co. Ltd.	2	1957	090	-66	2	77	py	
29	Nichaul Mining Co. Ltd.	3	1957	275	-45	1	55	cp	Ag
30	Quebec Yellowknife Gold Mines Ltd.	1	1951	326	-50	7	121	py, nc	Ag
		2	1951	337	-50	7	99.6	cp	Ag
31	Quebec Yellowknife Gold Mines Ltd.	3	1951	142	-49	7	103	cp	Ag
32	Siscoe Metals of Ontario Ltd.		1946	25 DDH	underground - 5364'				
			1947	11 DDH	underground - 1075'				
	Miller Lake - O'Brien Mine		1951	199 DDH	underground - 15,415'				
			1952	152 DDH	underground - 11,627'				
				6 DDH	surface - 1845'				

GDIF FORM NO. 3

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth DEGREES	Initial Dip of Hole DEGREES	Thickness of Overburden FEET	Total Length of Hole FEET	Mineralization Noted in Log	Assay Data Included for
33	Miller Lake O'Brien Co.		1937	DDH	surface - 5858'				
			1938	1 DDH	surface - 264'				
				DDH	underground - 4634'				
			1939	6 DDH	underground 2602'				
			1943	23 DDH	surface 1519'				
				9 DDH	underground 570'				
34	Siscoe Metals of Ontario Ltd.	J - 39	1967	225	-45	9	452	cp, serp, act, py, po, gn, arg, mag	Ag
		40	1967	225	-45	15	790	cp, py, spec	Ag
35	Siscoe Metals of Ontario Ltd.		1966	DDH	- surface				Ag - see 1967, Siscoe Mines Ltd. 39th Annual Report
36	Siscoe-McIntyre Porcupine	S - 7	1962	235	-50	22	421	serp, act, zo, hem, cp, ax, gn	

GDIF FORM NO. 3

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth DEGREES	Initial Dip of Hole DEGREES	Thickness of Overburden FEET	Total Length of Hole FEET	Mineralization Noted in Log	Assay Data Included for
37	United Reef Petroleums Ltd.	UR.1	1968	000					
		UR.2-68-2	1968	350	-45	8	304	py, serp, cp	Ag
		UR.2-68-3	1968	020	-45	11	307.5	py, cp, serp	
		UR.2-68-7	1968	180	-45	12	426	cp, py, jas	Ag
		UR.2-68-8	1968	175	-45	7	300.8	cp, py	Ag
		UR.2-68-12	1968	180	-45	9	305	py, Pb, hem cp	Ag
38	United Reef Petroleums Ltd.	UR.2-68-13	1968	020	-45	14	507	cp, py, gn	Ag
39	United Reef Petroleums Ltd.	UR.2-68-9	1968	-	-90	7	150	py	
		UR.2-69-10	1969	000	-45	11	701.5	py, sp, serp, gn, ax, cp	Ag
		UR.2-68-14	1968	-	-90	7	238	py, cp	
40	United Reef Petroleums Ltd.	UR16	1969	347	-45	10	300	cp, py, serp, ery	
		UR17	1969	339	-45	4	300	serp, py, cp	Ag

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DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth DEGREES	Initial Dip of Hole DEGREES	Thickness of Overburden FEET	Total Length of Hole FEET	Mineralization Noted in Log	Assay Data Included for
40 cont.	United Reef Petroleums Ltd.	UR18	1969	159	-45	7	300	serp, py, cp	Ag, Ni, Co
		UR19	1969	350	-45	9	301.5	py, mag, serp, cp, jas	Ag
		UR20	1969	340	-50	7	310	serp, py, jas, zo	Ag
		UR22	1969	350	-45	10	303	py, cp, mag, jas	Ag
		UR23	1969	140	-45	17	451	py, cp, jas, gn, serp	Ag
		UR25	1969	160	-45	21	805	py, cp	Ag
41	United Reef Petroleums Ltd.	UR24	1969	155	-46	32	500	jas, cp, py serp	
		UR26	1969	155	-45	23	500	cp, py	Ag
		UR27	1969	155	-45	27	501	cp, py, gn	Ag
		UR29	1969	155	-45	11	501	py, cp	
42	United Reef Petroleums Ltd.	UR28	1969	270	-45	9	506	py, cp	Ag
		UR30	1969	270	-45	11	388	py, cp	Ag
		UR31	1969	270	-45	12	500	py, gn, cp	

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DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth DEGREES	Initial Dip of Hole DEGREES	Thickness of Overburden FEET	Total Length of Hole FEET	Mineralization Noted in Log	Assay Data Included for
43	United Reef Petroleums Ltd.	UR.2-68-4	1968	000	-45	5	301	py, cp	Ag
		UR.2-69-5	1969	000	-45	13	300.5	py, cp, serp	Ag
		UR.2-69-6	1969	000	-45	11	300	py, cp, gn	Ag
44	United Reef Petroleums Ltd.	UR.2-69-15	1969	000	-45	13	701	cp, serp, py jas, gn	
		UR21	1969	000	-45	13	504	py, cp, serp, jas	Ag
45	Silver Dollar Mines Ltd.	C - 2	1947	265	-45	0	162		
		C - 3	1947	230	-30	0	120		
		C - 4	1947	280	-30	0	124		
46	Silver Dollar Mines Ltd.	C - 5	1947	265	-50	0	82		
		C - 6	1947	225	-18	0	150	py, cp	
		C - 7	1947	200	-15	0	130		
		C - 8	1947	200	-42	0	140		
		C - 9	1947	200	-58	0	150		
		C - 10	1947	225	-45	0	155	py	
47	Donaldson, E.T.	C.N.1	1963	180	-45	0	119	py, cp	

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DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth DEGREES	Initial Dip of Hole DEGREES	Thickness of Overburden FEET	Total Length of Hole FEET	Mineralization Noted in Log	Assay Data Included for
48	Peerless Silver & Cobalt Explorations Ltd.	PSC-81-1	1981	280	-25	-	1007	mag, py, sm, gn, cp	Ag
		PSC-81-2	1981	135	+25	-	696	cp, py, gn	Ag
		PSC-81-3	1981	135	+12	-	306	cp	Ag
		PSC-81-4	1981	090	+10	-	1900	mag, py, gn, cp, Ag, sm, act, jas, bn, sp	Ag
		PSC-81-5	1981	068	+10	-	2098	cp, py, gn, Co, mag, mo, Ag, hem	Ag
		PSC-81-6	1981	280	+10	-	479	cp, gn, hem	Ag
		PSC-81-7	1981	135	-15	-	461	cp, py	Ag
		PSC-81-8	1981	135	-30	-	426	cp, py, sp, gn	Ag
		PSC-81-9	1981	100	+25	-	674	Ag, cp, bn, gn, py	Ag
		PSC-81-10	1981	100	-20	-	319	py, cp, gn, Ag	Ag
		PSC-81-11	1981	120	+25	-	409	py, sp, cp, Ag, hem, gn, mag	Ag
		PSC-81-12	1981	120	-19	-	328	cp	Ag
		PSC-81-13	1981	140	+20	-	1005	py, gn, cp Ag, sp	Ag

GDIF FORM NO. 3

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth DEGREES	Initial Dip of Hole DEGREES	Thickness of Overburden FEET	Total Length of Hole FEET	Mineralization Noted in Log	Assay Data Included for
48 cont.	Peerless Silver & Cobalt Explorations Ltd.	PSC-81-14	1981	140	-26	-	1075	py, cp, gn, hem, sp, act, Ag, bn, asb	Ag
		PSC-81-15	1981	340	+00	-	1198.5	py, mag, cp, gn, sp, Ag, hem	Ag
		PSC-81-16	1981	070	-00	-	1830	py, cp, hem, Ag, Co, sm, sp	Ag
		PSC-81-17	1981	110	+05	-	1603	cp, gn, sm, sp, bn, mag, py	Ag
		PSC-81-22	1981	215	-05	-	664	cp, sm, sp, gn, mag, py	Ag
		PSC-81-23	1981	215	+10	-	400	cp, gn, sp, Ag	Ag
		PSC-81-24	1981	215	-20	-	400	py, gn, cp	
		PSC-81-25	1981	035	+05	-	997	py, mag, cp, Ag, bn, hem, gn, serp	Ag
		PSC-81-26	1981	035	-10	-	577	py, sp, cp, gn, Ag, bn	Ag
		PSC-81-27	1981	215	+14	-	252	cp, Ag	Ag
		PSC-81-28	1981	215	+05	-	252	cp, py, gn	Ag
		PSC-81-29	1981	215	+25	-	567	sp, gn, cp, py, Ag, asb	Ag

GDIF FORM NO. 3

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth DEGREES	Initial Dip of Hole DEGREES	Thickness of Overburden FEET	Total Length of Hole FEET	Mineralization Noted in Log	Assay Data Included for
48 cont.	Peerless Silver & Cobalt Explorations Ltd.	PSC-81-30	1981	197.5	+05	-	551	py, cp, sm, gn	Ag
		PSC-81-31	1981	197.5	-06	-	452	py, cp, sp, gn, sm	Ag
		PSC-81-32	1981	320	+00	-	251	py, gn, cp	Ag
		PSC-81-33	1981	298.5	+01	-	161	py, sp, cp, gn, mag, sm	Ag
		PSC-81-34	1981	280	-01	-	176	py, cp, sm, gn	Ag
		PSC-81-35	1981	350	+45	-	87	py, Ag	Ag
		PSC-81-36	1981	350	+30	-	152	cp	Ag
		PSC-81-37	1981	350	-00	-	173	py, cp, sm	Ag
		PSC-81-38	1981	350	+40	-	52	py, cp	Ag
		PSC-81-39	1981	350	+45	-	26	py	Ag
		PSC-81-40	1981	340	+45	-	40	cp, gn, sp sm	Ag
		PSC-81-41	1981		+30	-	24	cp	Ag
		PSC-81-42	1981	360	+45	-	55	mag, cp	Ag
		PSC-81-43	1981	360	+30	-	45	py, cp, sp	Ag
		PSC-81-44	1981	300	+55	-	69	cp, gn, sm	Ag
		PSC-81-45	1981	300	+45	-	45	sp, cp	Ag
		PSC-81-46	1981	320	+55	-	60	cp, py, sm	Ag
		PSC-81-47	1981	320	+45	-	50	cp, gn	Ag

GDIF FORM NO. 3

NICOL TOWNSHIP

AIRBORNE GEOPHYSICAL SURVEY DATA

No.	By For	Type of Survey	Flight Altitude	Flight Line Direction	Flight Line Spacing
	No data available as of January 24, 1989.				

GDIF FORM NO. 4

GEOCHEMICAL SURVEY DATA

Map Sample Site Reference Number	Type of Survey	Analysis For	By	Reference
1	B horizon soil samples	Cobalt & Silver, by hot HCl extraction method.	by: Barringer Research Ltd., Rexdale for: Siscoe Metals of Ontario, Ltd. 1966 (Report 1967)	Nicol Tp. AF - Siscoe Metals of Ontario, Ltd., "K" Project
2	B horizon soil samples	Cobalt & Silver by hot HCl extraction method.	by: Barringer Research Ltd., Rexdale for: Siscoe Metals of Ontario, Ltd. 1968 (Report 1969)	Nicol Tp. AF - Sisco Metals of Ontario, Ltd., "K" Project
3	B horizon soil samples	Silver, Cobalt, Lead and Mercury by hot HCl extraction method. 3a = RH project silver, cobalt, mercury 3b = RK project silver, cobalt, lead not shown - T project in Haultain Twp.	by: Barringer Research Ltd., Rexdale for: Siscoe Metals of Ontario, Ltd. 1966	Haultain Tp. AF - Siscoe Metals of Ontario, Ltd. (Roy-Ten Claims), "T" project

GDIF FORM NO. 5

GEOCHEMICAL SURVEY DATA

Map Sample Site Reference Number	Type of Survey	Analysis For	By	Reference
4	upper B horizon soil samples - red sandy clay	Cobalt & Silver by hot acid - atomic absorption method	by: Technical Services Laboratories, Toronto for: United Reef Petroleums Ltd.	Nicol Tp. AF - United Reef Petroleums Ltd.
5	B horizon soil samples at 100' spacing on lines of 400' interval	Silver by hot acid extraction method	by: Quebec Geophysics Ltd. for: Gowganda Silver Mines Ltd.	Chown Tp. AF - Gowganda Silver Mines Ltd., Chown, Lawson, Nicol, Haultain, Van Hise & Milner Tps.

GDIF FORM NO. 5

MISCELLANEOUS DATA

AGE DATING

Site	Method	Material	Reference	Result
G.	Rb/Sr	diabase	MRC 10, p. 404-405	2150 my
G.	Rb/Sr	ore	MRC 10, p. 404-405	2150 my
K.	Pb/Pb	volcanics	MRC 10, p. 408-409	3100 my
K.	Rb/Sr	diabase	MRC 10, p. 408-409	2150 my
K.	Rb/Sr	ore	MRC 10, p. 408-409	2150 my
M.	Rb/Sr	diabase	MRC 10, p. 400	2150 my
M.	Rb/Sr	ore	MRC 10, p. 400	2150 my
C.	Rb/Sr	diabase	MRC 10, p. 401	2150 my
C.	Rb/Sr	ore	MRC 10, p. 401	2150 my
D.	Rb/Sr	diabase	MRC 10, p. 406	2150 my
	Rb/Sr	ore	MRC 10, p. 406	2150 my
	Pb/Pb	volcanics	MRC 10, p. 406	3100 my

NEWSPAPER CLIPPINGS FILE

NOTE: A file of newspaper clippings about the companies listed below, who have worked in this area, is maintained in the Regional/Resident Geologist's Office, Cobalt.

Agnico-Eagle Mines Ltd.
Caesar Minerals Ltd.
Canadian Gowganda Silver Mines Ltd.
Castlebar Silver & Cobalt Mines Ltd.
Castle-Trethewey Mines Ltd.
Coleroy Silver Mines Ltd.
Consolidated Morrison Mines Ltd.
Fairmac Silver Mines Ltd.
Gamble, Robert & Thompson, F.
Gardner Mines
Glendenning, George
Gowganda Silver Mines Ltd.
Millcrest Mining Co. Ltd.
Miller Lake O'Brien Mines Ltd.
Milner Consolidated Silver Mines Ltd.
New Morrison Mines Ltd.
New Redwood Gold Mines Ltd.
Peerless Canadian Explorations Ltd.
Plata Mines Ltd.
Quebec Yellowknife Gold Mines Ltd.
Silver Bullion Mines Ltd.
United Siscoe Mines Ltd.

ODM GENERAL INDEX SEARCH

The ODM Indexes have been searched to locate data for the following entries. A "Y" in the Index Volume column indicates that information for that entry is contained in that volume. To find an entry, look in the pages following this list under the correct volume number. The large amount of data prohibits detailing all the subheadings for each entry, but all the reference pages are recorded. For more detail, see the respective Index Volume.

WORDS SEARCHED	INDEX VOLUME								
	1	2	3	4	5	6	7	8	9
Agnico-Eagle Mines Ltd.									Y
Arkose Island		Y							
Ash, W.A.									
Banker Bay	Y							Y	Y
Beadman, J.									Y
Big Four, The		Y							Y
Bilsky Lake		Y							
Blair-Gowganda Mines Ltd.									
Blair-Gowganda Silver Mines			Y						Y
Bonsall Lake		Y							Y
Bonsall Mines Ltd.		Y							
Bonsall Silver Mine	Y	Y			Y			Y	Y
Bruce Lake		Y							
Brunhurst Mines Ltd.					Y				
Burk Lake									
Byberg, Andrew									
Caesar Minerals Ltd.						Y			
Calcite Creek	Y								Y
Calcite Group									
Calcite Lake		Y	Y						Y
Calcite Lake Mining Co.	Y	Y							
Calcite Lake Silver Mine	Y	Y							
Camburn Prospect		Y							
Camburn Silver Mines Ltd.		Y							

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WORDS SEARCHED	INDEX VOLUME								
	1	2	3	4	5	6	7	8	9
Canadian Gowganda Silver Mine		Y							
Canadian Gowganda Silver Mines Ltd.	Y								
Capitol Mine		Y	Y	Y	Y	Y	Y	Y	Y
Capitol Silver Mines Ltd.		Y	Y						Y
Carnegie, Frank			Y						
Cartier Malartic Gold Mines Ltd.									
Castle Mine								Y	Y
Castle Mining Co.		Y							Y
Castle-Trethewey Mines Ltd.		Y	Y	Y	Y	Y	Y	Y	Y
Castle-Trethewey Silver Mine		Y	Y		Y	Y	Y	Y	Y
Castlebar Silver & Cobalt Mines Ltd.					Y				Y
Central Milner Mines Ltd.				Y					
Central Nicol Group									Y
Chapelle Silver Mine		Y			Y				Y
Cobalt Consolidated Mining Corp.									
Coleroy-Gowganda Mine									Y
Coleroy-Gowganda Mines Ltd.		Y	Y						Y
Coleroy Mines Ltd.									Y
Coleroy Mining Ltd.			Y						
Coleroy Silver Mine		Y	Y		Y				Y
Coleroy Silver Mines Ltd.									

ODM GENERAL INDEX SEARCH

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WORDS SEARCHED	INDEX VOLUME								
	1	2	3	4	5	6	7	8	9
Collins, Howard F.		Y							Y
Collins Silver Mine		Y							
Coniagas Mines Ltd.									
Consolidated Morrison Explorations Ltd.					Y	Y		Y	Y
Crown Reserve Mining Co.		Y							Y
Daley									
Des Autels, G.									
Dodd, J.			Y						
Dodds Silver Claim		Y							Y
Donaldson, E.T.									Y
Duggan, H.									
Fairmac Silver Mines Ltd.			Y						Y
Fairmont Explorations Ltd.					Y				
Ford, R.									
Gamble, Robert C.	Y	Y							
Gamble, W.A.									
Gamble Silver Claims			Y						Y
Gardiner-Johnston (Johnson) Property Syndicate					Y				Y
Gates Silver Mine	Y	Y							Y
Gibson, D.H.									
Giles, K.									
Giroux, Oscar									
Glendenning, George	Y	Y							
Gowganda	Y	Y	Y						Y

ODM GENERAL INDEX SEARCH

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WORDS SEARCHED	INDEX VOLUME								
	1	2	3	4	5	6	7	8	9
Gowganda Formation		Y							
Gowganda Keora Silver Mine		Y	Y						
Gowganda Lake	Y	Y		Y	Y			Y	
Gowganda Mining Division	Y	Y	Y	Y	Y				
Gowganda Silver Area	Y	Y	Y	Y	Y	Y	Y	Y	
Gowganda Silver Mines Ltd.									Y
Hammill, Patrick									
Hampshire Minerals Inc.									
Hart Silver Claim			Y						Y
Huronian Belt Co. Ltd.	Y		Y						Y
Huronian Belt Silver Mine					Y				
Hylands-Johnston-Gardiner Prospect			Y		Y				Y
Indore Gold Mines Ltd.					Y				Y
Inlet Bay									
International Mine Services Ltd.									
Island									
Jacobs Lake									Y
Johnston (Johnson)									
Lafayette Silver Claim		Y							
Lafayette Silver Mines Ltd.		Y							
Leroy Lake	Y	Y	Y		Y				Y
Leroy Lake Mines									
Leroy Lake Syndicate									

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WORDS SEARCHED	INDEX VOLUME								
	1	2	3	4	5	6	7	8	9
Leroy Silver Mine	Y								
Lost Lake	Y	Y			Y				Y
Lost Lake Mines Ltd.						Y			Y
MacDougald, Ronald D.									Y
McAndrew, John A.			Y						
McAndrews Silver Mine		Y							
McIntyre, W.M.									Y
McIntyre-Porcupine Mines Ltd.	Y							Y	Y
Millcrest Mining Co. Ltd.	Y	Y	Y						
Millcrest Silver Mine		Y			Y				Y
Miller, W.N.	Y		Y						
Miller Creek									Y
Miller Lake	Y	Y							Y
Miller Lake and Everett Silver Mine		Y			Y			Y	Y
Miller Lake Mines Ltd.						Y			
Miller Lake Mining Co.	Y								Y
Miller Lake O'Brien Silver Mine	Y	Y	Y	Y		Y	Y	Y	Y
Miller Lake Silver Area					Y				
Miller Lake Silver Lodes Mining Co.	Y								
Miller Lake Silver Star Mine									
Millerett Silver Mine		Y			Y				Y
Millerett Silver Mining Co.									Y

ODM GENERAL INDEX SEARCH

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WORDS SEARCHED	INDEX VOLUME								
	1	2	3	4	5	6	7	8	9
Milner Consolidated Silver Mines Ltd.									
Morrison, General									
Morrison Mines Ltd.			Y						
Morrison Silver Mine, Nicol Tp.	Y	Y	Y		Y	Y		Y	Y
New Morrison Mines Ltd.					Y	Y			Y
New Redwood Gold Mines Ltd.									Y
Nichaul Mining Co. Ltd.									
Nicol Twp.	Y	Y	Y	Y	Y	Y	Y	Y	Y
Northern Mining Co.				Y					
O'Brien, M.J., Ltd.			Y						Y
Outlook Point									
Palmer-Paine Mines Ltd.		Y					Y		Y
Peerless Silver & Cobalt Explorations Ltd.									
Pettipher Lake		Y							Y
Plata Mines Ltd.			Y		Y				Y
Plaunt, P.									
Quebec Yellowknife Gold Mines Ltd.									Y
Ribble, A.									
Royal Gold & Silver Corp.									
Sanford, Mr.									
Shulmann, M.									Y
Silver Bar Mines Ltd.				Y		Y		Y	Y
Silver Bullion Mines Ltd.		Y	Y		Y				

ODM GENERAL INDEX SEARCH

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WORDS SEARCHED	INDEX VOLUME								
	1	2	3	4	5	6	7	8	9
Silver Bullion Silver Mine		Y						Y	Y
Silver Diadem Mines Ltd.		Y							
Silver Dollar Mines Ltd.									Y
Silver Dollar Mining Co.	Y								
Silver Star Silver Claim		Y							
Siscoe Gold Mines Ltd.				Y	Y				
Siscoe Metals Ltd.					Y			Y	
Siscoe Metals of Ontario, Ltd.					Y	Y	Y	Y	Y
Siscoe Mines Ltd.									Y
Siscoe Silver Mine					Y	Y		Y	
Stephanson Claims									
Stumpy Lake								Y	Y
Tamminen, T.V.									Y
TC 177 Mining Co. Ltd.		Y							Y
Temiskaming Project Syndicate									
Thompson, Frederick									
Tonapah Canadian Mines Co.		Y	Y						Y
Tonapah Canadian Mines Ltd.					Y				
Tonapah Mining Co.									Y
Trethewey Silver Cobalt Mining Co. Ltd.		Y							Y
United Reef Petroleums Ltd.									Y
United Siscoe Mines Ltd.									Y
Victoria Syndicate Ltd.		Y							Y

ODM GENERAL INDEX SEARCH

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WORDS SEARCHED	INDEX VOLUME								
	1	2	3	4	5	6	7	8	9
Walsh Mines Ltd.	Y								Y
Walsh Silver Mine			Y		Y			Y	Y
Walsh Silver Mines Ltd.									
Wilkinson									Y
Willars, Jack G.									Y
Wilson Creek									
Wilson Lake	Y								Y
WJ 9 Silver Mines					Y				

ODM GENERAL INDEX SEARCH

Words searched:

Index Volume	Listing:	Report Volume	Part	Page
1	Banker Bay, Gowganda Lake	*19	2	165
	Bonsall Silver Mine, Near Miller Lake, Gowganda area	*19	2	180
	Accidents	*20	1	84
	Capital and date of charter	*19	1	48
	Discovery	*18	2	1
	Notes	*18	2	12,13
		*19	1	117
	Producing	*20	1	11
	Calcite Creek, Nicol and Charters tps.	*19	2	178
	Calcite Lake, Nicol and Lawson tps.	*19	2	186
	Arkose near	*18	2	10
	Diabase on	*18	2	1
	Mining on	*18	2	2
		*19	1	52
		*21	1	50
		*25	1	24
	Calcite Lake Mining Co.			
	work by	*23	1	156
	Calcite Lake Silver Mine, Lawson tp.			
	Accidents	*21	1	66,79
	Mining notes	*21	1	149
		*25	1	124
	Canadian Gowganda Silver Mines Ltd.			
	Capital and date of charter	*19	1	46
	Gamble, Robert	*18	1	157

GDIF FORM NO. 8

ODM GENERAL INDEX SEARCH

Words searched:

Index Volume	Listing:	Report Volume	Part	Page
1	Gates Silver Mine, Nicol tp.			
	Mining notes	*18	2	16
		*19	1	118
	Silver in massive form	*18	2	1
	Glendinning, George			
	Director, Beaver silver mine	*22	1	110
	Photo	*16	2	145
	President St. Anthony gold mine	*20	1	87
		*22	1	99
	Sturgeon Lake Dev. Co.	*21	1	100
	Gowganda, Milner and Nicol tps.			
	Fire	*21	1	30
	Govt. townsite laid out	*18	1	16
	lots for sale	*18	1	48
	Hotels at, early, photos	*18	1	21,26
	Photos of early	*18	1	14
		*18	2	1,6
	Post Office, photo	*19	2	165
	Road to, freight charges	*18	2	2
		*19	1	92
	Govt. vote for	*18	1	16
	photos	*18	2	4,5
		*19	2	167
	rest houses	*18	1	18
		*18	2	3
	Route to (water)	*18	2	3

GDIF FORM NO. 8

ODM GENERAL INDEX SEARCH

Words searched:

Index Volume	Listing:	Report Volume	Part	Page
1	Gowganda Lake, Milner and Nicol tps.			
	Altitude	*19	2	168
	Bed of withdrawn from Mining Act	*18	1	48
	Road across, photo	*18	2	5,7
		*19	2	167
	Rocks	*19	2	172-176
	See also Gowganda silver area			
	Section of country from, to Elkhorn lake. On map with	*19	2	
	Silver on and near	*19	2	180
	discovery	*18	1	39,95
		*19	2	165
	mining	*22	1	124
	See also Mann silver m.			
	trenching for, photo	*19	2	181
	Waterpower near	*23	1	129
	Gowganda Mining Division, Tim.			
	Area: creation	*18	1	47,48
	Index map showing	*18	2	iv
	Recorder's report: (1909)	*19	1	50,52
	(1910)	*20	1	52,54
	(1911)	*21	1	49,50
	(1912)	*22	1	55,57
	(1913)	*23	1	48,49
	(1914)	*24	1	60,61
	(1915)	*25	1	43
	Gowganda Silver Area, Tim.			
	Barite	*19	2	9
	Geology	*18	2	4-12
		*19	2	168-179
	Maps, coloured, geological, with	*18	2	
	with	*19	2	
	with	*20	2	

GDIF FORM NO. 8

ODM GENERAL INDEX SEARCH

Words searched:

Index Volume	Listing:	Report Volume	Part	Page
1 cont.	Gowganda Silver Area, Tim.			
	plan of surveyed claims	*18	2	14,15
	sketch	*19	2	166
	Reports on, by Burrows	*18	2	
		*19	2	165-186
	Rocks. See also above Geology			
	compared with Cobalt area	*22	2	132
	diabase and Cobalt series	*19	2	45,78, 101
	cut by aplite dikes	*19	2	104
	Timiskaming series	*19	2	62,113
	Silver, compared with Cobalt area	*18	1	16
	mining notes	*19	1	21
				117-119
		*19	2	179-186
		*21	1	116,149, 150
		*22	1	110,124 125
		*23	1	156,157
		*24	1	128,129
		*25	1	124,125
	producing mines	*25	1	11
	production: (1912)	*19	2	36
		*22	1	12
	(1913)	*23	1	11
	(1914)	*24	1	14
	(1915)	*25	1	10
	shipments (ore) (1909)	*19	1	92
	See also Mann silver m. Miller Lake O'Brien silver m. Millerett silver m.			
	Trees	*19	2	168
	Waterpower	*24	1	6

GDIF FORM NO. 8

ODM GENERAL INDEX SEARCH

Words searched:

Index Volume	Listing:	Report Volume	Part	Page
1	Huronian Belt Co.			
	Capital and date of charter	*24	1	60
	Leroy Lake, Nicol tp.			
	Bed withdrawn from public	*18	1	48
	Rocks	*18	2	11,12
		*19	2	170,171-178
	Route to	*18	2	3
	Silver	*18	2	1,7
	mining	*18	2	20
	Leroy Silver Mine, Leroy Lake	*18	2	1
	Lost Lake, Haultain tp.	*16	2	129
	Road across, photo	*18	2	5
	to fires, near	*18	2	3
	Rocks on and near:			
	breccia	*19	2	174
	diabase	*18	2	1,8
		*19	2	178
	granophyre, analysis	*19	2	104
	silver prospecting	*17		48
	McIntyre Porcupine Mines Ltd.			
	Dividends	*25	1	7
	Financial notes	*25	1	97
	Officers of	*25	1	98
	Producing	*25	1	8,9
	Production	*25	1	7
	Taxes paid	*25	1	46

GDIF FORM NO. 8

ODM GENERAL INDEX SEARCH

Words searched:

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1	Millcrest Mining Co.			
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	Miller Lake, Nicol tp.			
	Bed withdrawn from public	*19	1	48
	Report, by Burrows	*18	2	21-31
	Rocks on and near	*18	2	11
	Route to	*18	2	3
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	boom	*18	1	95
	claims, map	*18	2	15
	mining	*19	1	52,92, 118
		*23	1	157
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	prospects	*18	1	16
	Miller Lake Mining Co.			
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	Silver prospecting	*19	1	118
	Miller Lake O'Brien Silver Mine, Haultain Tp., Gowganda			
	Calcite vein	*19	2	182
	Concentration plant	*23	1	129
		*19	2	255
	capacity	*22	1	109
	purchased	*22	1	125
	Dividends, private	*19	2	37
	Leased from the Crown	*20	1	46
	Officers (1913)	*25	1	124

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	Producing (1910)	*20	1	11
	(1911)	*21	1	116
	(1912)	*22	1	13
	(1914)	*24	1	16
	(1915)	*25	1	11
	Production (1911)	*21	1	10
	(1912)	*19	2	36
	Taxes paid by	*24	1	56
		*25	1	46
	Veins, depth of	*24	1	61
	Waterpower for	*23	1	129
	Work at (1911)	*21	1	150
	(1912)	*19	2	184,185
		*22	1	125
	(1913)	*23	1	156
	(1914)	*24	1	128,129
	(1915)	*25	1	124
	Miller Lake Silver Lodes Mining Co.			
	Capital and date of charter	*21	1	46
	Morrison Silver Mine, Nicol tp.			
	Calcite vein, notes	*19	2	181
	Map showing (Gowganda Silver Area) with	*19	2	
	Nicol Tp., Tim.			
	Cobalt ores	*18	1	95
	Land under lakes appropriated	*18	1	48
	Quartzite and arkose rocks	*19	2	174
	Silver	*18	1	95

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1 cont.	Nicol Tp., Tim.			
	claims staked	*19	1	52
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		*24	1	128
	Silver dollar Mining Co.			
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	Walsh Mines Ltd.			
	Capital and date of charter	*22	1	55
	Work by, Miller Lake	*23	1	157
	Wilson Lake, Nicol tp.			
	Cobalt series near	*19	2	175
	Syenite	*19	2	173
2	Arkose Island, Gowganda lake			
	Cobalt series. See map 30b with	*30	3	
	Big Four Silver Claim, Nicol Tp. (W.D. 961-964)			
	Conglomerate	*30	3	11
	Description	*30	3	32
		*35	3	40
	Iron Formation	*30	3	7
	Map Showing Location	*30	3	22
	Operations (1920)	*30	1	124
	Ore in Keewatin	*29	3	81
	Porphyritic dikes	*30	3	9
	Bilsky Lake, Nicol tp.			
	Keewatin rocks. See map 30b with	*30	3	

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	Bonsall Silver Mine, Haultain tp.			
	See also Miller Lake - O'Brien s.m.			
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		*35	3	26
	Operations	*28	1	150
		*30	1	123
	Production (1920)	*30	1	10
		*30	3	4
		*35	3	4
	Purchased by M.J. O'Brien Ltd.	*31	10	31
	Re-opened	*29	3	88
	Report by Burrows	*30	3	23,24
		*35	3	25-27
	Rocks	*29	3	80
		*30	3	15,19, 20
		*35	3	17,20
	Shipments from	*31	2	28
	Veins, position of	*35	3	22
	Bonsall Mines Ltd.			
	Capital, officers	*30	1	123
	Bruce Lake, Nicol tp.			
	Cobalt series. See map 30b with	*30	3	
	Calcite Lake, Lawson and Nicol tps.			
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	Rocks. See map 30b with	*30	3	
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	Calcite Lake Silver Mine, Lawson tp.			
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	Production (1911)	*30	3	4
		*35	3	5
	Shipments	*31	2	28
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	Calcite Lake Mining Co.			
	Caleta s.m. operated by	*30	3	35
	Gowganda-Keora s.m., operated by	*35	3	48
	Camburn Silver Mine, Nicol Lake			
	Operations (1919)	*29	1	106
	(1920)	*30	1	122
	Camburn Silver Mines Ltd.			
	Capital and date of charter	*29	1	52
		31	1	9
	Canadian Gowganda silver mine, Nicol tp.			
	Map showing Location	*30	3	22
		*35	3	26
	Production (1911)	*30	3	4
		*35	3	5
	Rocks	*30	3	19
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	Shipments of ore	*31	2	28

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	Operations	35	1	142
	Capitol Silver Mines Ltd.			
	Capitol and date of charter	34	1	55
	directors	34	1	152
		35	1	142
	Castle Mining Co.			
	Capital and date of charter	*27	1	71
	Stock controlled by Trethewey Silver Cobalt Mg. Co.	*27	1	129
	Stock exchanged for stock of Castle-Trethewey Mines Ltd.	*31	10	58
	Castle-Trethewey silver mine, Nicol and Haultain tps.			
	Arsenides, notes and photo	*35	3	64,75-77
	Description; mineralization	*29	3	84,85
		*35	3	40,41
	Locations. See map facing	*29	3	78
	Operations (1918)	*28	1	83
	(1919)	*29	1	107
	(1920)	*30	1	123
	(1921)	*31	10	58
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	(1923)	*33	7	10,86
	(1924)	34	1	152-155
	(1925)	35	1	143,144
	Ore from the Keewatin	*31	2	10
		*30	3	3
	reserves	*35	3	38

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	Production (1920)	*30	1	10
	(1921)	31	1	9
	(1922)	32	1	10
	(1923)	33	1	9
	(1920-1925)	*30	3	4
		35	1	17,20
		*35	3	3
	Report by Burrows (1923) with section, plans and flow-sheets	*33	3	33-38
	Rocks	*29	3	79,80
		*30	3	20
		*35	3	19
	Veins, character	*30	3	21
		*35	3	23,35
	photo	*29	3	85
	Worked by Trethewey Silver Cobalt Mg. Co.	*35	3	40
	Castle-Trethewey Mines Ltd.			
	Capital and date of charter	32	1	49
	directors	34	1	152
		35	1	142
	objects	*31	10	58
	Dividends (1924)	34	1	18
	(1925)	35	1	21
	Profit tax (1925)	35	1	58
	Chapelle silver mine, E. of Leroy Lake			
	Description	*29	3	86
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		*35	3	41
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		35	1	145
	Producing	34	1	13
	Temiskamite	*35	3	76
	Coleroy-Gowganda Mines Ltd.			
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	Collins and McAndrews claims owned by	34	1	69
	Collins, Howard F.	*31	2	346
	Silver mg., Leroy Lake	*28	1	152
		*29	1	107
		*30	1	124
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		*31	10	14
		*35	3	44
	Collins silver mine, Leroy Lake			
	see also Coleroy s.m.			
	Description	*29	3	87,88
		*30	3	33,34
		*35	3	58,59
	Development work (1917)	*27	1	69
	(1918)	*28	1	83
	(1924)	34	1	156
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	Native silver; rocks	*29	3	80,81

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		*35	3	43
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	Location (1902); rocks			
	See also Silver Bullion s.m.	*30	3	34
	Gamble, R.C.			
	of Silver Bullion s.m.	*30	3	34
	Gates Silver claim, N.W. of Miller Lake			
	See also Miller Lake-O'Brien s.m.			
	Native silver and smaltite	*29	3	81
		*30	3	24
	Glendinning, George			
	of Bonsall s.m.	*30	1	123
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	Geological plan	*30	3	18
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	Age and composition	*31	2	350

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	diabase	*30	3	13
	quartz porphyry (near)	*30	3	7
	west of	*30	3	15-17
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	Silver discovery	*29	3	77
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	Cobalt minerals	*27	3	28
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	Geology	*29 *30	3 3	78-81 5-20
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	Huronian, Collin's views	*31	2	342
	producing veins in	*31	2	335
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		*30	1	123-125
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		*31	10	57,58
	(1922)	*32	6	79,80
	(1923)	*33	7	86-88
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		*30	3	1-46
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	Scapolite described	*31	2	352
	Silver, discovery	*30	3	45
	from upper contact	*31	2	7
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	ores and concentrates, tonnage shipped to 1922	*31	2	28
	origin	*30	3	20
	production (1916)	*26		13
	(1917)	*27	1	13
	(1918)	*28	1	15
	(to 1919)	*29	3	77
	(1920)	*30	1	10
	(1921)	31	1	8,11
	(1922)	32	1	9,12
	(to 1922)	*31	2	18
	(1923)	33	1	8,10
	(1924)	34	1	16
	(1925)	35	1	19
	Gowganda-Keora Silver Mines Ltd.			
	See also Keora s.m.			
	Capital; officers	35	1	147

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2	Lafayette Silver Claim, Nicole Tp.			
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	Layfayette Silver Mines Ltd.			
	Capital and date of charter	*30	1	48
	Leroy Lake, Nicol tp.			
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		*30	3	6,14, 15
	diabase, photo	*30	3	15
	underlying Keewatin, photo	*30	3	16
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	Silver discovery	*29	3	77
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	Silver mining. See Camburn s.m. Chapelle s.m. Coleroy Gowganda s.m. Collins s.m. McAndrews s.m. Silver Bullion s.m. T.C. 220 s. loc.			
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	Milling ore from Miller Lake O'Brien s.m.	*29	3	84
		*30	3	27
	Ore shoot in conglomerate	*30	3	20,23
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		*31	2	8

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	Shipments	*31	2	28
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	from Cobalt series	*31	2	348
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	Miller Lake and Everett Silver Mine, Haultain tp.			
	Fissuring; operations (1910)	*30	3	31
	Production	*30	3	4
	Miller Lake O'Brien Silver Mine, Nicol tp.			
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	Accident	*27	1	84
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		*30	3	28
	Hanging-wall contact	*30	3	14
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	(1918)	*28	1	152
	(1919)	*29	1	107,108
	(1920)	*30	1	124
	(1921)	*31	10	57
	(1922)	*32	6	80
	(1923)	*33	7	87
	(1924)	34	1	157
	(1925)	35	1	164
	Ore, high-grade	*26		57
		*27	1	129

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	Photo	*30	3	25-27
		*29	3	81
	Producing (1916)	*26		21
		*30	3	4
	(1921)	31	1	9
	(1922)	32	1	10
	(1923)	33	1	9
	Production(1911)	*31	2	19
	(1917)	*27	1	13
	(1918)	*28	1	16
	(1919)	*29	1	10
	(1920)	*30	1	9
	(to 1920)	*30	3	4
	(1925)	35	1	17
	from shoot in conglomerate (1910-12)	*30	3	3
	Rocks	*29	3	78-80
		*30	3	20
	diabase	*31	2	335
	veins in	*27	3	24
	Surface plan	*30	3	26
	Veins, character	*30	3	21
	Waterpower for	*33	7	118
	Miller Lake O'Brien Co.			
	Bonsall s.m. operated by	*30	3	23
	Millerett s.m. bought by	*30	3	24
	Profit tax paid by	*26		62
		*28	1	87
		*29	1	58
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		31	1	47

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	diabase	*30 *35	3 3	13 15
	plan	*30 *30	3 3	18 21
	Keewatin	*30 *35	3 3	6 7
	syenite	*30 *35	3 3	8 9
	See also map 30b with	*30	3	
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	See also following mines: Big Four Canadian Gowganda Castle Chapelle Coleroy Collins Hart Huronian belt Hylands-Johnston-Gardiner Johnston Lafayette Miller Lake O'Brien Morrison Silver Bullion Tonopah Walsh			

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		and	in pocket	
	reports	*30	3	24-29, 32-35
		*35	3	40-49
	staked	*27	1	69
	ore, high-grade	*35	3	22
	Palmer-Paine Mines, Ltd.			
	Acquired T.C. 177 silver claim	*28	1	152
	Capital and date of charter	*29	1	54
	Pettipher Lake, Nicol tp.			
	Rocks. See map 30b with	*30	3	
	Silver Bullion silver mine, Leroy Lake, Nicol tp.			
	Bismuth; niccolite; silver; smaltite	*29	3	80,86
	Development work (1919)	*29	1	109
	(1920)	*30	1	125
	(1924)	34	1	157
	(1925)	35	1	165
	Location. See map	*30	3	
	Notes by Burrows	*30	3	34
	Re-opened	*29	3	88
	Rich ore above diabase	*30	3	20
	Silver Bullions Mines Ltd.			
	Capital and date of charter	*29	1	54
	directors	34	1	157

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	See Palmer-Paine Mines Ltd.			
	T.C. 177 Mining Co.			
	T.C. 177 Mining Co.			
	Capital and date of charter	*27	1	71
	Location of claim. See map 30b with	*30	3	
	Operations, Nicol tp.	*27	1	130
		*28	1	152
	Tonapah Canadian Mines Co.			
	Capital and license	35	1	60
	Operating Walsh s.m.	34	1	158
	and Morrison s.m.'s	35	1	20,165
	Trethewey Silver Cobalt Mines Ltd.			
	Capital	*31	2	21
	Castle s.m. controlled by	*27	1	129
		*28	1	150
		*30	3	30,32
	Dividends (1916)	*26		16
	(1917)	*27	1	15
	(1918)	*28	1	21
	(to 1919)	*29	1	13
		*30	1	15
		31	1	14
		*31	2	21
		32	1	15

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		35	1	22
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	(1918)	*28	1	87
	(1920)	*30	1	52
	Rochestester m. worked by	*26		125
	Victoria Syndicate			
	Capital and license	34	1	57
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	Location, map showing	*30	3	22
	Operations (1917)	*27	1	131
	(1918)	*28	1	153
		*30	3	34
	(1919)	*29	3	84
	(1920)	*30	1	125
	(1924)	34	1	158
	(1925)	35	1	165,166
	Producing (1925)	35	1	20
	Re-opened	*29	3	88
	Wilson Lake, Nicol tp.			
	Rocks	*30	3	8,10, 11
	See also map 30b with	*30	3	
3	Blair Gowganda Silver Mines Ltd.			
	Silver mg. Nicol tp. (1926)	*36	1	151
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	(1929)	39	1	148

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9	Bonsall Mine Haultain Tp., Timiskaming Dist. report on property	GR 175		3,112-115
	Calcite Creek Nicol Tp., Timiskaming Dist.	GR 175		42
	Calcite Lake Nicol Tp., Timiskaming Dist.	GR 175		35,123
	Canadian Gowganda Mine Nicol Tp., Timiskaming Dist. report on property	GR 175		120,121
	Capitol Mine Haultain Tp., Timiskaming Dist. report on property	GR 175		3,98-101
	Capitol Silver Mines Ltd. see Castle-Trethewey Mines Ltd.			
	Castle Mine see also Castle-Trethewey Mines Ltd. Nicol Tp., Timiskaming Dist. report on property	GR 175		126-127
	Castle Mining Co. Ltd. Haultain Tp., Timiskaming Dist.	GR 175		101

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9	Castle-Trethewey Mine			
	see also Castle Mine			
	Haultain Tp., Timiskaming Dist.			
	report on property	GR 175		3,99, 101-104
		MP 91		79
	Castle-Trethewey Mines Ltd.			
	Haultain Tp., Timiskaming Dist.	GR 175		99,102
	Castlebar Silver & Cobalt Mines Ltd.			
	Haultain Tp., Timiskaming Dist.	GR 175		88,89, 92,93
	report on Millcrest Property	GR 175		92-93
	report on Ottawa Gowganda Shaft	GR 175		94
	Nicol Tp., Timiskaming Dist.			
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9	Coleroy Gowganda Mines Ltd.			
	Nicol Tp., Timiskaming Dist.	GR 175		132,133
	Coleroy Mine			
	See Coleroy Gowganda Mine			
	Coleroy Mines Ltd.			
	See Coleroy Gowganda Mines Ltd.			
	Collins, F.H.			
	Nicol Tp., Timiskaming Dist.	GR 175		132
	Consolidated Morrison Expl. Ltd.			
	Nicol Tp., Timiskaming Dist.			
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Words searched:

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9	Ford, R.			
	Nicol Tp., Timiskaming Dist.	GR 175		137
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	Gowganda-Elk Lake Area, Timiskaming Dist.			
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	Gowganda-Miller Lakes Area, Timiskaming Dist.			
	Geology of the area			
	Report & maps 2348 & 2349 on, 1978 by W.H. McIlwaine	GR 175		
	sand & gravel	GR 175		40,49
	silver/cobalt	GR 175		47-147 passim
	Gowganda-Obushkong Lake Fault			
	Gowganda L. area, Timiskaming Dist.	GR 175		15,41-42
	Gowganda-Shining tree - Gogama Areas, Timiskaming & Sudbury Dist. summary of field work (gravity), 1970 by V.K. Gupta & D.R. Wadge	*MP 90		167-168

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Words searched:

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9	Gowganda Silver Mines Ltd.			
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	report on McRae L. Group	GR 175		96
	report on Mire L. Group	GR 175		96
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	report on Wigwam L. Group	GR 175		97
	Milner Tp., Timiskaming Dist.	GR 175		65-66
	Nicol Tp., Timiskaming Dist.			
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	Hart Claims			
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	Huronian Belt Co.			
	Nicol Tp., Timiskaming Dist.	GR 175		120
	Hylands-Johnston-Gardiner Property			
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	Indore Gold Mines Ltd.			
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	Jacobs Lake			
	Nicol Tp., Timiskaming Dist.	GR 175		8,18, 145
	Jacobs Lake Fault			
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Words searched:

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9	Leroy Lake			
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	Leroy Lake Property			
	see Coleroy Gowganda Mine			
	Lost Lake			
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	Haultain Tp., Timiskaming Dist.			
	report on property	GR 175		86
	Lost Lake Mines Ltd.			
	Nicol Tp., Timiskaming Dist.	GR 175		119
	MacDougald, R.D.			
	Nicol Tp., Timiskaming Dist.			
	report on Big Four Property	GR 175		124-126
	McIntyre, W.M.			
	Haultain & Nicol Tps., Timiskaming Dist.			
	report on property	GR 175		105

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9	McIntyre-Porcupine Mines Ltd.			
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	Millcrest Property			
	Haultain Tp., Timiskaming Dist.			
	report on property	GR 175		92-93
	Miller Creek Prospect			
	Haultain Tp., Timiskaming Dist.			
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	Miller Lake East Group			
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	Miller Lake Mining Co.			
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	Miller Lake O'Brien Co.			
	Nicol & Haultain Tps., Timiskaming Dist.	GR 175		115,140

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Words searched:

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9	Miller Lake O'Brien Mine Nicol Tp., Timiskaming Dist. report on property	GR 175		3,47 100 139-144, 145
	Miller Lake West Group Nicol Tp., Timiskaming Dist. report on property	GR 175		117
	Miller Lake-Everett Mine see also Everett Mine Haultain Tp., Timiskaming Dist.	GR 175		3
	Millerett Mine Haultain Tp., Timiskaming Dist. report on property	GR 175		3,47, 114-116
	Millerett Silver Mining Co. Haultain Tp., Timiskaming Dist.	GR 175		115
	Morrison Mine, Nicol Tp., Timiskaming Dist. report on property	GR 175		3,118- 120,121
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	apatite	MP 70		41
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	Geology of the Gowganda-Miller Lake area	GR 175		
	millerite	MP 70		241
	nickeline	MP 70		265-266
	polybasite	MP 70		288
	prousite	MP 70		295
	silver	MP 70		351-353
	skutterudite	MP 70		357
	smaltite	MP 70		361-362
	stromeyerite	MP 70		381
	xanthconite	MP 70		430
	Northern Mining Co.			
	Nicol Tp., Timiskaming Dist.	GR 175		119
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	O'Brien, M.J.			
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	Palmer-Paine Mines Ltd.			
	Nicol Tp., Timiskaming Dist.	GR 175		130

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	Pettipher Lake Diabase Basin			
	Nicol Tp., Timiskaming Dist.	GR 175		34
	Plata Mines Ltd.			
	see also Noranda Mines Ltd.			
	Nicol Tp., Timiskaming Dist.	GR 175		117
	Quebec Yellowknife Gold Mines Ltd.			
	Nicol Tp., Timiskaming Dist.	GR 175		131
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	Silver Dollar Mines Ltd.			
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9	Siscoe Metals of Ontario Ltd. see also United Siscoe Mines Ltd. Milner & Haultain Tps., Timiskaming Dist.	GR 175		71,87, 112,115 119,128
	Siscoe Mines Ltd. Haultain Tp., Timiskaming Dist.	GR 175		104
	Stump Lake Nicol Tp., Timiskaming Dist.	GR 175		42,137, 139
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	TC 177 Mining Co. Ltd. Nicol Tp., Timiskaming Dist.	GR 175		130
	Tonapah Canadian Mines Co. Nicol Tp., Timiskaming Dist.	GR 175		128
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	Tonapah Mining Co. Nicol Tp., Timiskaming Dist.	GR 175		128
	Trethewey Silver Cobalt Mines Ltd. See also Castle-Trethewey Mines Ltd. Haultain Tp., Timiskaming District	GR 175		101

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	report on LaBrick Claim	GR 175		81
	United Siscoe Mines Ltd.			
	see also Siscoe Metals of Ontario Ltd.			
	Haultain Tp., Timiskaming Dist.			
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	Nicol Tp., Timiskaming Dist.			
	report on "K" Project	GR 175		144-146 passim
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	report on Millerett Mine	GR 175		114-116
	report on O'Connell Claims	GR 175		144-146 passim
	report on Roy-Ten Claim Group	GR 175		116
	Victoria Syn.			
	Nicol Tp., Timiskaming Dist.	GR 175		128
	Walsh Mine			
	Nicol Tp., Timiskaming Dist.			
	report on property	GR 175		3,127-130
	Walsh Mines Ltd.			
	Nicol Tp., Timiskaming Dist.	GR 175		128
	Wilkinson G. & Armstrong, R.			
	Nicol Tp., Timiskaming Dist.			
	report on property	GR 175		116-117

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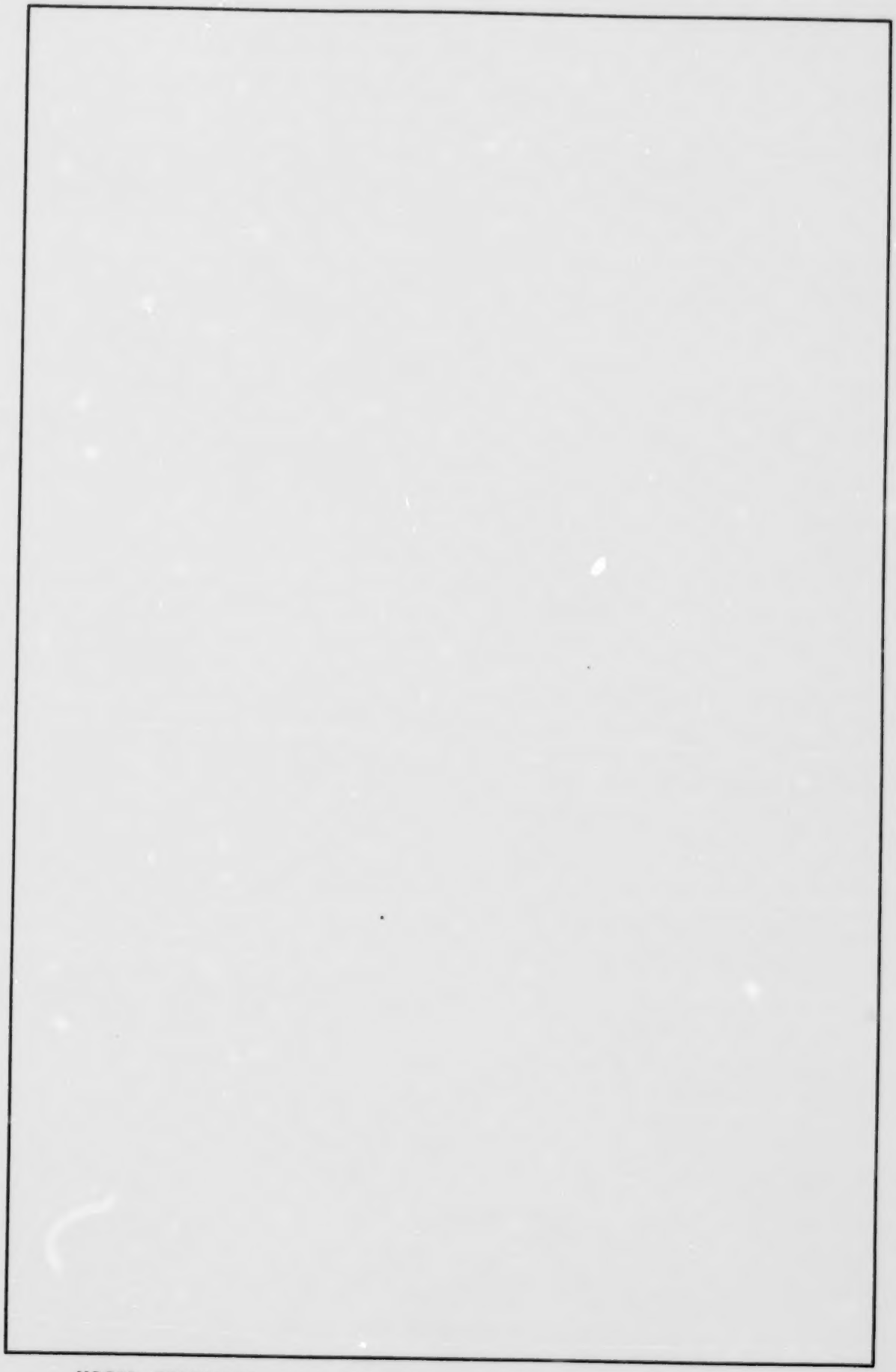
9	Willars, J.G. Nicol Tp., Timiskaming Dist. report on property	GR 175		146-147
	Wilson Lake Nicol Tp., Timiskaming Dist.	GR 175		12,16 24
	Wilson Lake Fault Nicol Tp., Timiskaming Dist.	GR 175		42
	*Out of Print			



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			*GSC Map 1076	1:63 360
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			*GSC Map 64A	1:63 360
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GDIF FORM NO.9

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MNR		Nicol Township Claim Map	MNR Plan No. M-239	1" = 40 ch.

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		*Out of Print		

NOTES AND ADDENDA

The exploration data map shows only the most important minerals found at each site. All the minerals noted are listed in the mineral occurrences or the drill hole data.

On the maps, only areas for which work has been submitted to the Ministry are shown and thus a company may hold, or have held in the past, more ground than is shown.

Although there are no present producers, four mines have produced silver and cobalt in the past:

Miller Lake (Miller Lake O'Brien)
Morrison
Walsh (Tonapah)
Castle No. 1

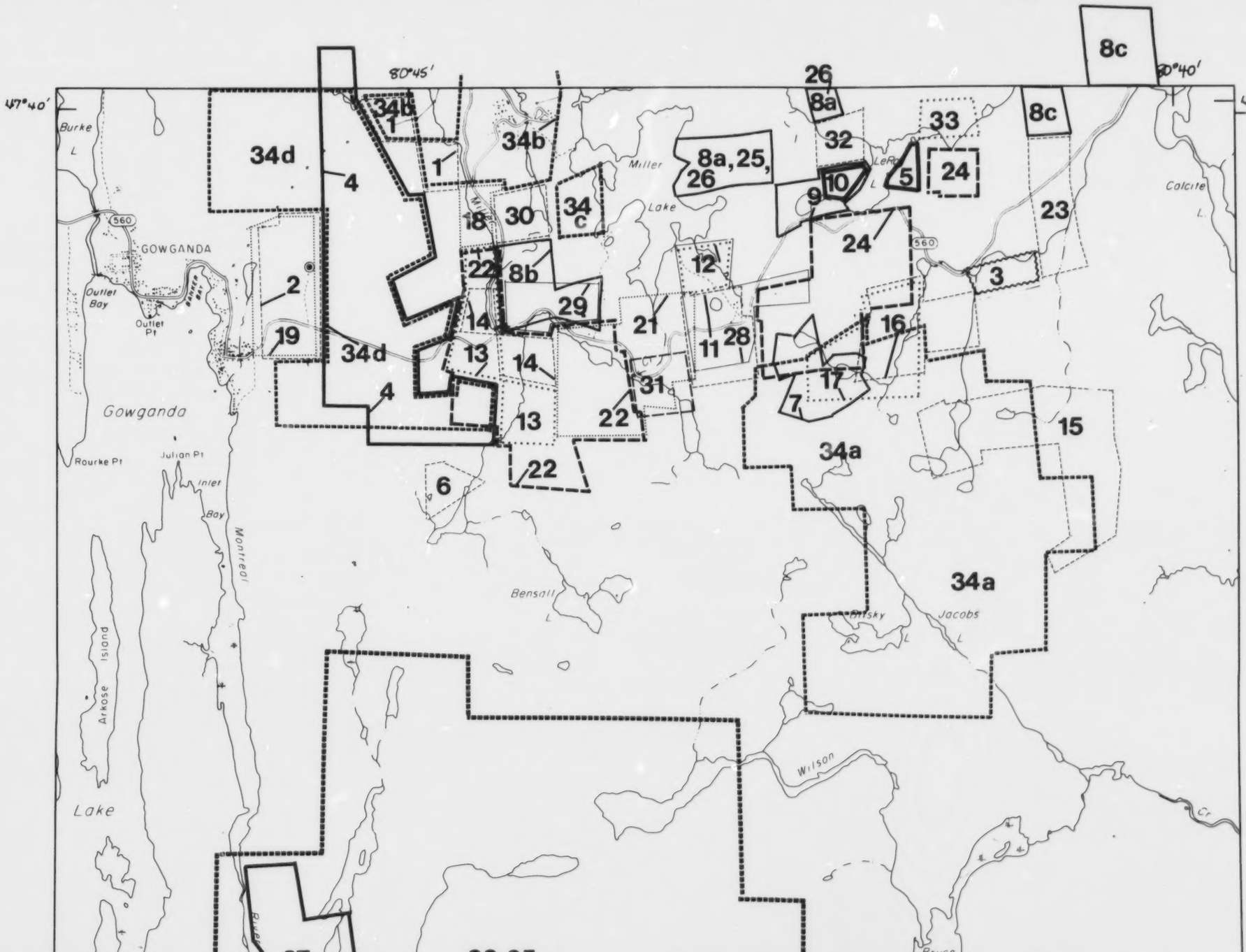
The township was closed to staking in 1978 due to the Bear Island Indian Caution.

AIR PHOTOS - on File in Cobalt

1" = ¼ mile for 1959 and part of 1946 series.

Air photos can be viewed at or purchased from the Public Service Centre, Room 1640, Whitney Block

GDIF FORM NO.10



Ontario

Ministry of Northern Deve and Mines

ONTARIO GEOLOGI

PROPERTY LOCA

GEOLOGICAL DATA INVE

(Map 1 o

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Scale 1:31

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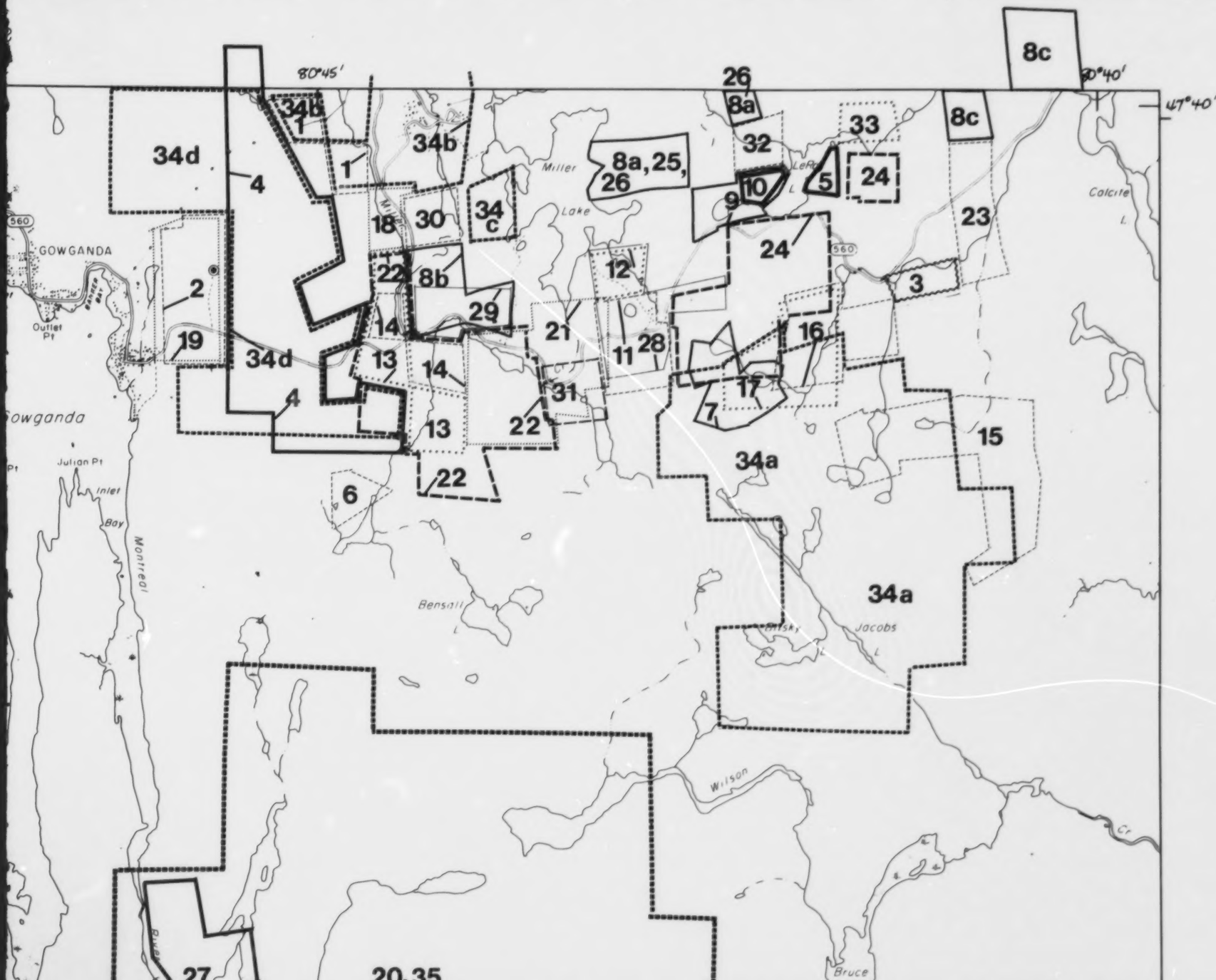


Ministry of Northern Development and Mines

Mines and Minerals Division

Ontario

ONTARIO GEOLOGICAL SURVEY

PROPERTY LOCATION MAP

GEOLOGICAL DATA INVENTORY FOLIO 504

(Map 1 of 3)

NICOL TOWNSHIP

Scale 1:31 680

Kilometre 0.5 0 0.5 1 Kilometre

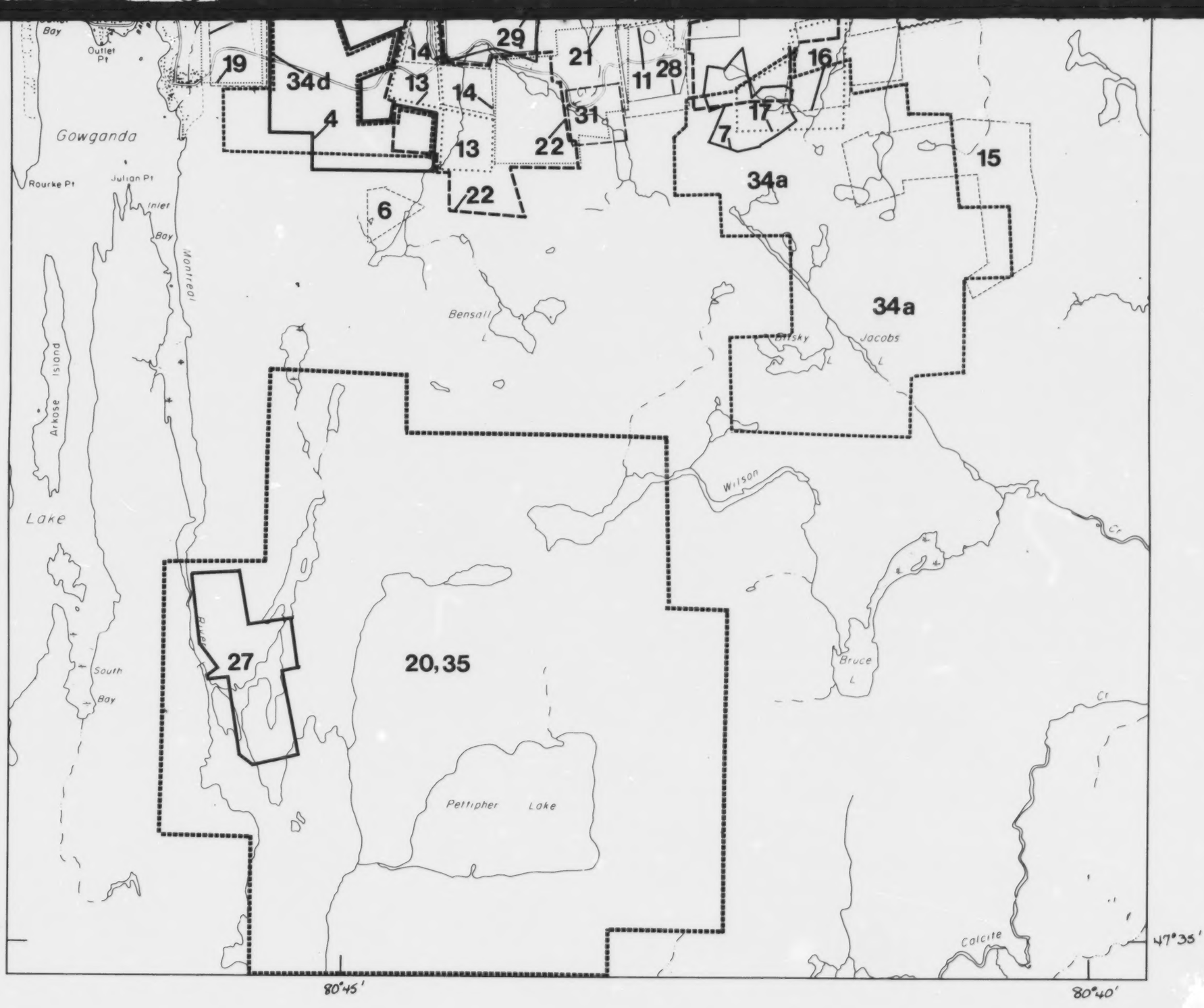
Mile 0.5 0 0.5 1 Mile

NICOL TOW

Scale 1:31 680

Kilometre 0.5 0 0.5

Mile 0.5 0 0.5



EXPLORATION DATA

- Reference number is always i
  See listing in text pages.
- Small area of exploration
- File covers whole township o

(Map 1 of 3)

NICOL TOWNSHIP

Scale 1:31 680

Kilometre 0.5 0 0.5 1 Kilometre

Mile 0.5 0 0.5 1 Mile

EXPLORATION DATA FILE AREAS

Reference number is always inside work area outlined. See listing in text pages.

Small area of exploration

File covers whole township or area

Outlet Pt

Gowganda

Julian Pt

Inlet

Bay

Montreal

Bensall L

Jacobs L

Wilson

Bruce L

Cr

South Bay

Pettipher Lake

Calcite

47°35'

80°45'

80°40'

19

34d

4

14

13

14

29

21

31

22

13

22

6

11

28

16

17

7

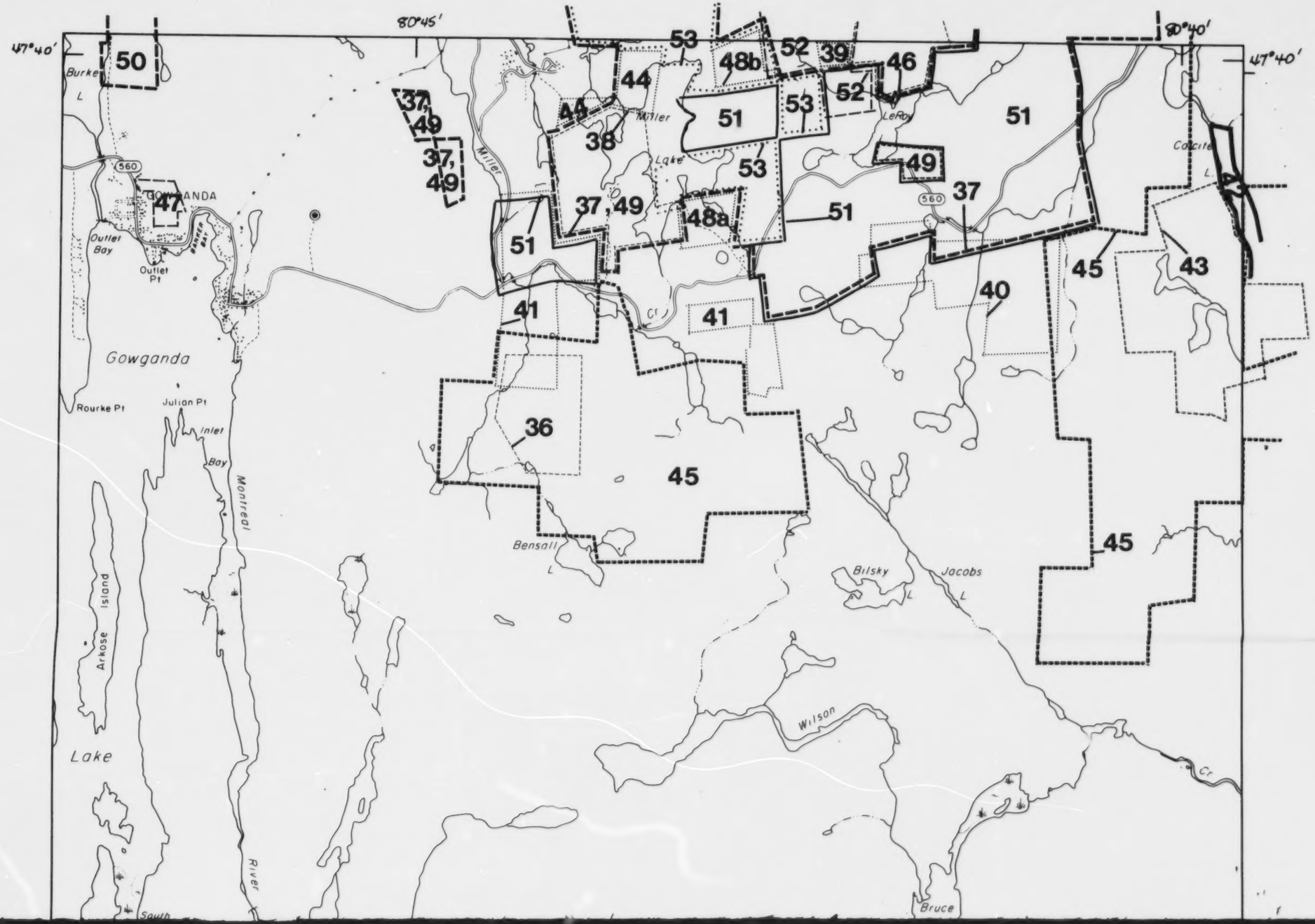
15

34a

34a

27

20,35



Ministry of Northern Development and Mines

Ontario

ONTARIO GEOLOGICAL SU

PROPERTY LOCATION

GEOLOGICAL DATA INVENTOR

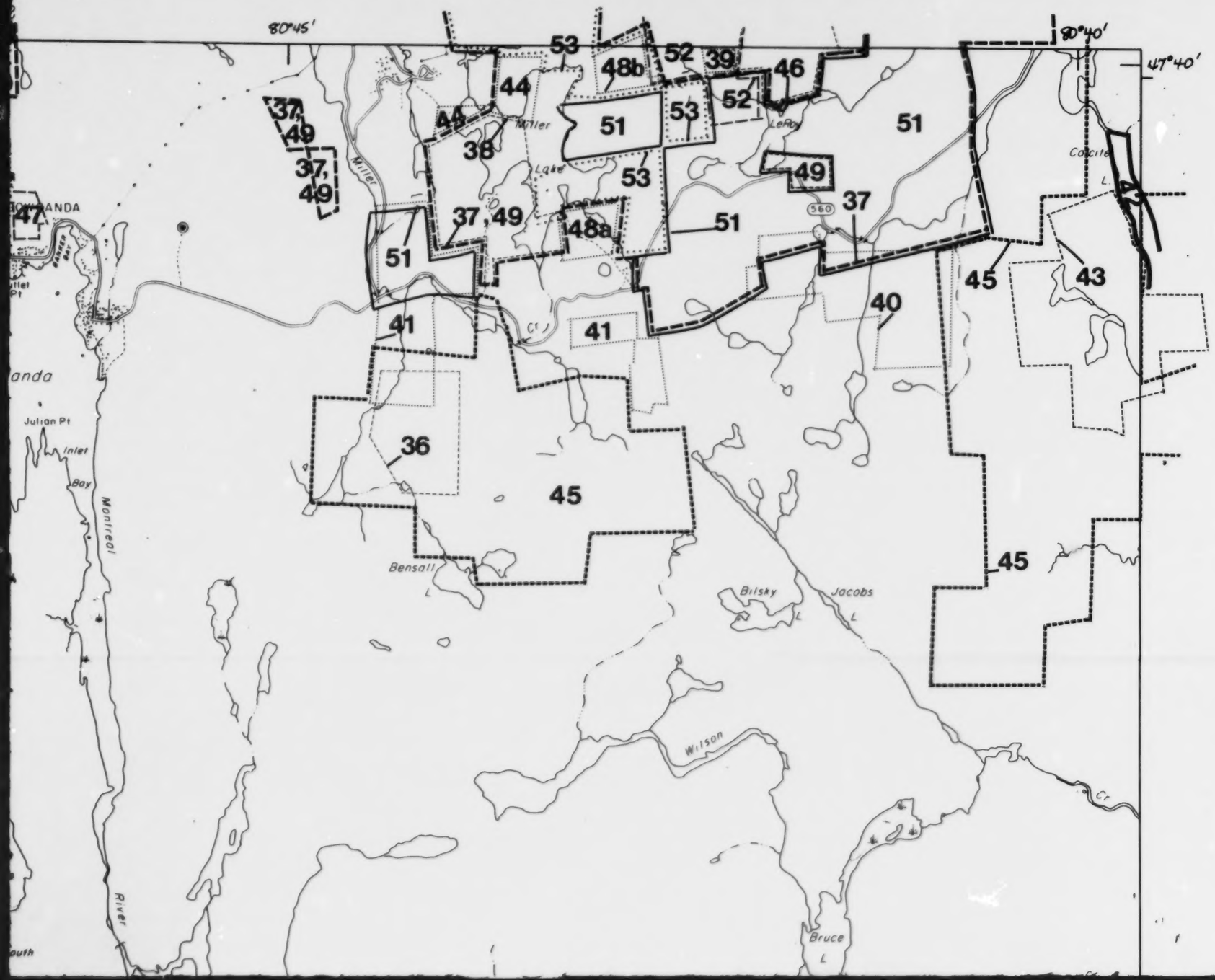
(Map 2 of 3)

NICOL TOWN

Scale 1:31 680

Kilometre 0.5 0 0.5

Mile 0.5 0 0.5



Ministry of Northern Development and Mines

Mines and Minerals Division

Ontario

ONTARIO GEOLOGICAL SURVEY

PROPERTY LOCATION MAP

GEOLOGICAL DATA INVENTORY FOLIO 504

(Map 2 of 3)

NICOL TOWNSHIP

Scale 1:31 680

Kilometre 0.5 0 0.5 1 Kilometre

Mile 0.5 0 0.5 1 Mile

GEOLOGICAL DATA INVENTORY

(Map 2 of 3)

NICOL TOWNS

Scale 1:31 680

Kilometre 0.5 0 0.5

Mile 0.5 0 0.5

Bay

Outlet Pt

Gowganda

Rourke Pt

Julian Pt

Inlet

Bay

Montreal

River

Arkose Island

Lake

South

Bay

Bensall L

Bilsky L

Jacobs L

Wilson

Cr

Bruce L

Cr

Pettipher Lake

Calcite

47°35'

80°45'

80°40'

31

41

41

40

45

43

36

45

45

EXPLORATION DATA FILE

■ 1 6 — Reference number is always inside w
See listing in text pages.

□ x 4 — Small area of exploration

□ ★ — File covers whole township or area

GEOLOGICAL DATA INVENTORY FOLIO 504

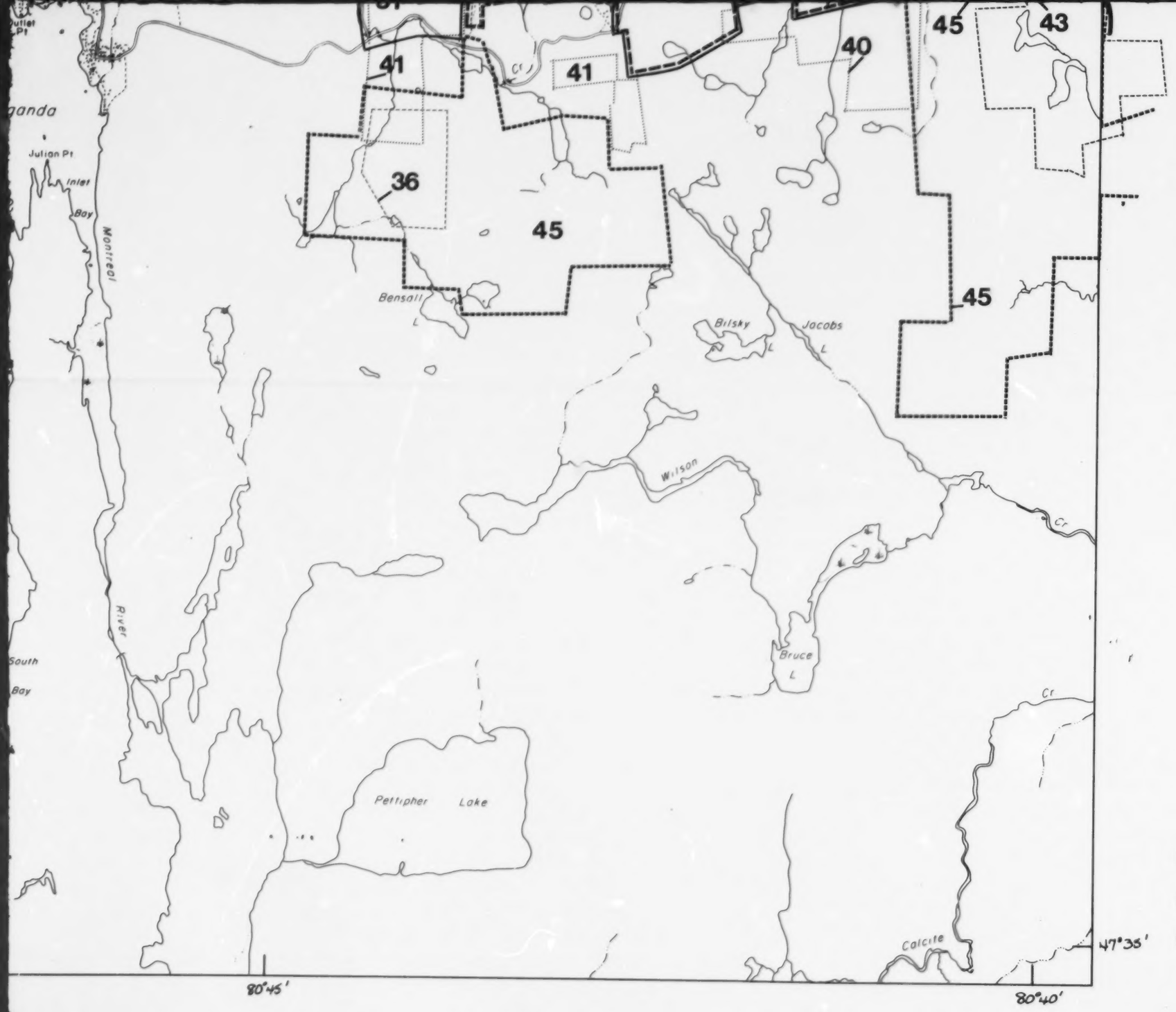
(Map 2 of 3)

NICOL TOWNSHIP

Scale 1:31 680

Kilometre 0.5 0 0.5 1 Kilometre

Mile 0.5 0 0.5 1 Mile



EXPLORATION DATA FILE AREAS

Reference number is always inside work area outlined. See listing in text pages.

Small area of exploration

File covers whole township or area

TYPES OF DATA SHOWN ON THIS MAP

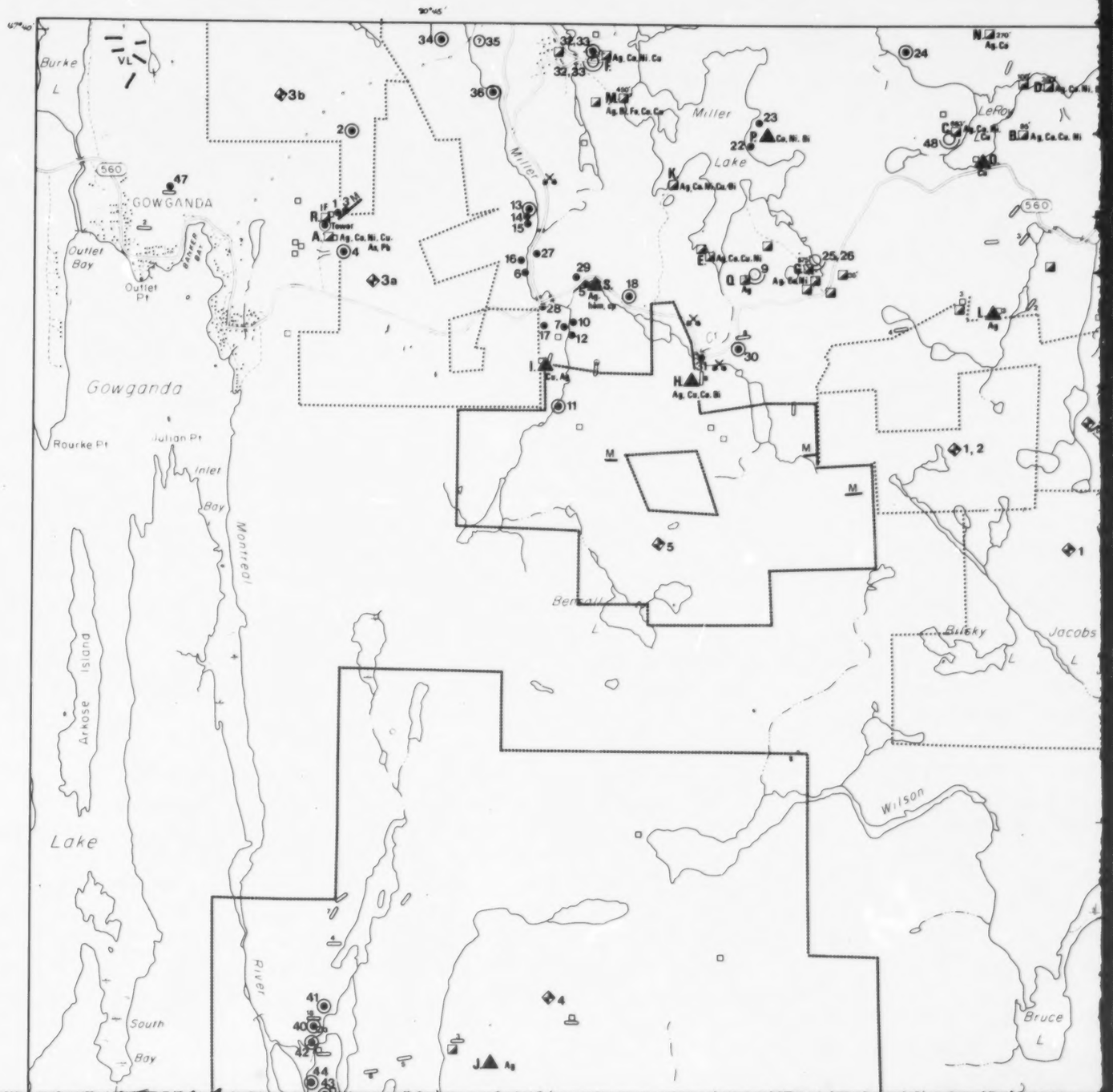
GEOCHEMICAL AND GEOCHRONOLOGICAL DATA

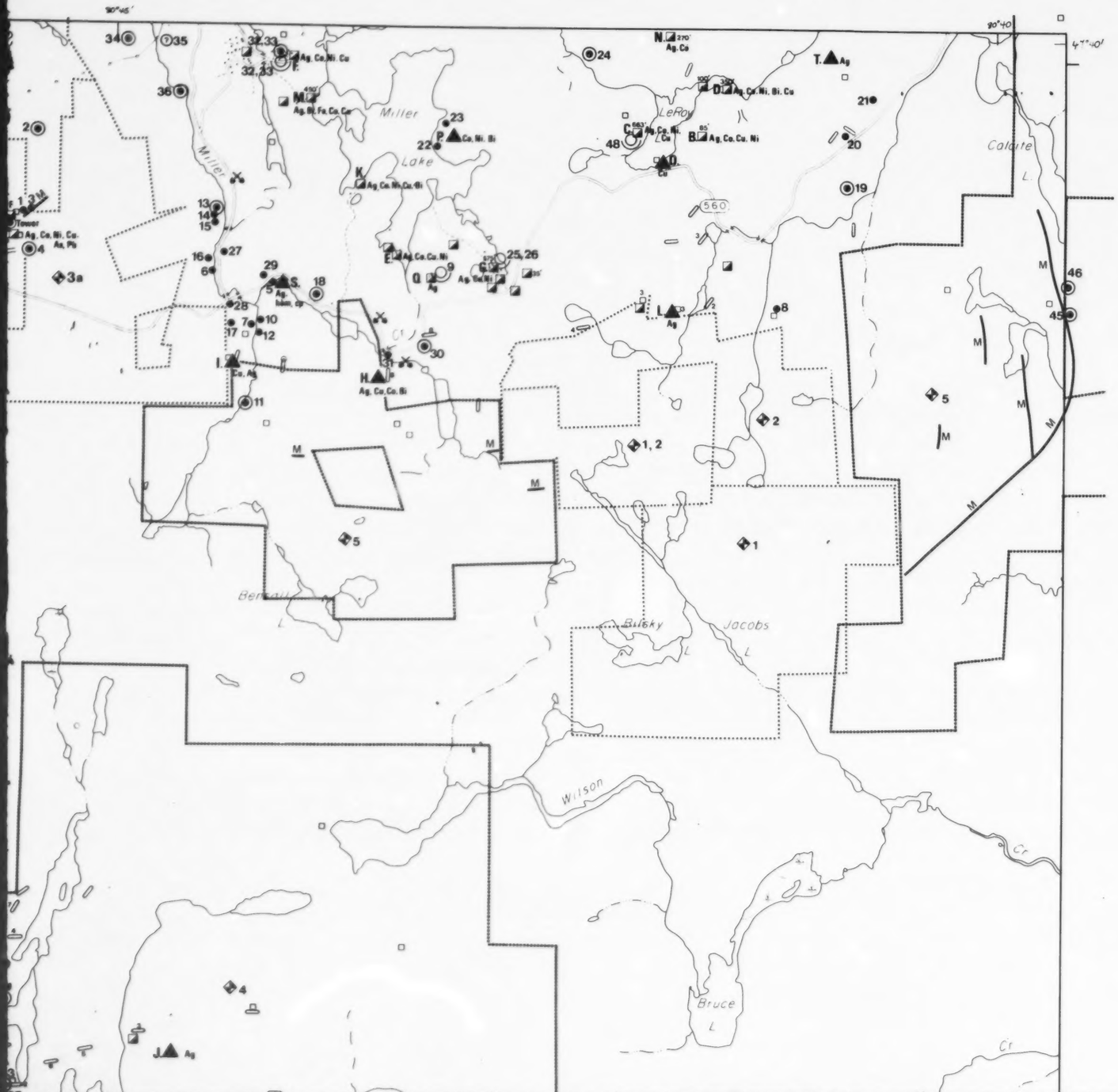
- ☐ ◆³ — Geochemical sample site, with reference number
- ■ ◆³ — Area of geochemical sampling, with reference number
- ☐ ✳² — Age dating material sampling site, with reference number

GEOPHYSICAL ANOMALIES

- ☐ AM — Airborne magnetic anomaly
- ☐ Airborne electromagnetic anomaly
  Length of anomaly along flight line
- ☐ Airborne electromagnetic anomaly
  Location of anomaly along flight line
- ☐ Airborne electromagnetic anomaly
  Conductor axis: definite, probable, possible
- ☐ ARA — Airborne radiometric anomaly
- ■ M — Ground magnetic anomaly
- ■ VL — Ground electromagnetic anomaly
  (VL - Vertical loop; HL - Horizontal loop
  VLF - Very low freq.; Turam; JEM -
  Crone Em - 16)
- ☐ RA — Ground radiometric anomaly
- ☐ IP — Induced polarization anomaly
- ☐ SP — Self potential anomaly
- ☐ AFMAG — Audio-frequency magnetic anomaly
  (total intensity)
- ☐ R — Resistivity anomaly
- ☐ GR — Gravity anomaly

MISCELLANEOUS DATA




Miller
Miller
LeRoy
Lake
Calute
L.
Bernault
L
Bulsky
L
Jacobs
L
Wilson
Cr
Bruce
L
Cr
560
M
M
M
M
M
M
M
M
1, 2
1
2
3a
4
5
5
8
11
30
46
45
24
23
22
21
20
19
48
34
35
36
2
32,33
25,26
18
29
27
16
6
13
14
15
28
7
10
12
17
Tower
Ag, Co, Ni, Co, As, Pb
Ag, Co, Ni, Co
Ag, Bi, Fe, Co, Co
Ag, Co, Ni, Bi, Co
Ag, Co, Ni, Bi, Co
Ag, Co, Ni, Co
Ag, Co, Co, Ni
Ag, Co, Co, Ni
Ag, Co, Co, Bi
Co, As
Ag
Ag
Ag

Airborne electromagnetic anomaly
Length of anomaly along flight line

Airborne electromagnetic anomaly
Location of anomaly along flight line

Airborne electromagnetic anomaly
Conductor axis: definite, probable, possible

-ARA- Airborne radiometric anomaly

-M- Ground magnetic anomaly

-VL- Ground electromagnetic anomaly
(VL - Vertical loop; HL - Horizontal loop
VLF - Very low freq.; Turam; JEM -
Crone Em - 16)

-RA- Ground radiometric anomaly

-IP- Induced polarization anomaly

-SP- Self potential anomaly

-AFMAG- Audio-frequency magnetic anomaly
(total intensity)

-R- Resistivity anomaly

-GR- Gravity anomaly

MISCELLANEOUS DATA

Trenching, pit

Adit

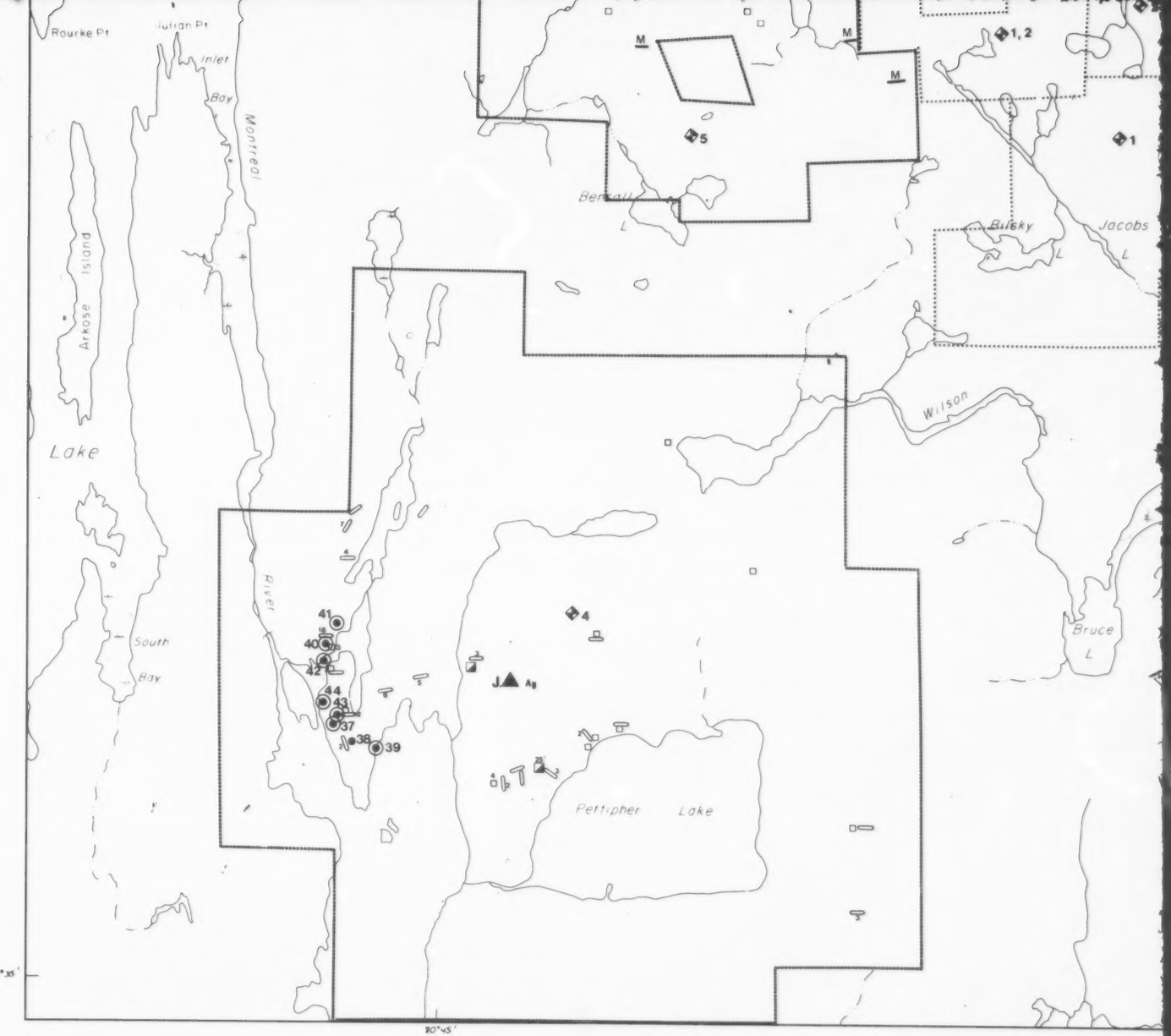
Open pit

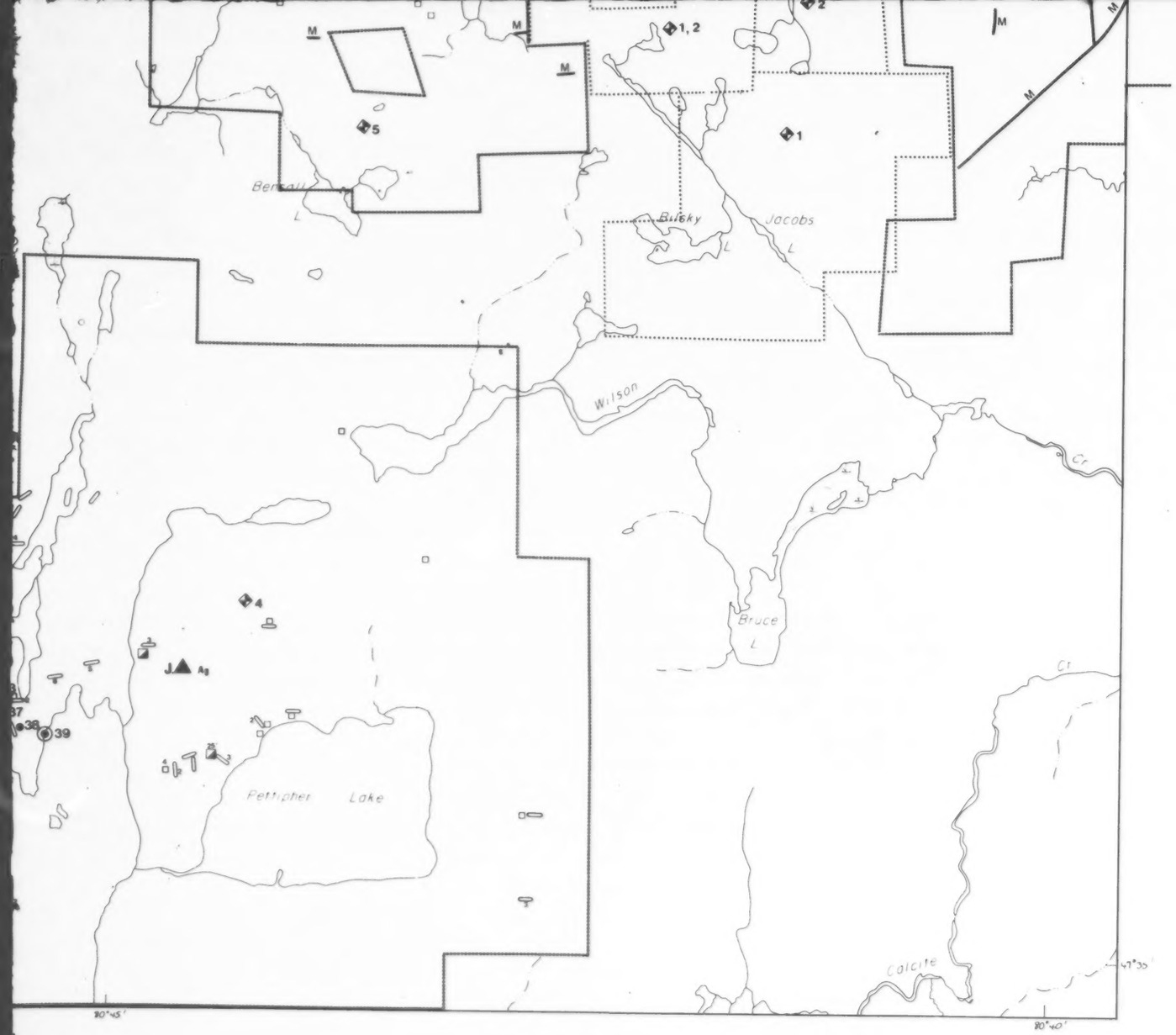
Rock quarry

Sand and/or gravel pit

Number of closely spaced trenches or pits

NOTE: Consult the text that accompanies this map for pertinent lists of data, references, and abbreviations.





Scale 1:31 680

Kilometre 0.5 0 0.5 1 Kilometre

Mile 0.5 0 0.5 1 Mile

GEOLOGICAL AND MINING SYMBOLS

TYPES OF DATA SHOWN ON THIS MAP

MINERAL OCCURRENCES

- ■ cp ▲ A. — Mineral occurrence at surface, with reference letter
- ■ Au ◪ A. 84' — Mineral occurrence with shaft, depth given with reference letter
- □ Ag △ A. — Mineral occurrence reported but exact location uncertain, with reference letter
- □ cp ⬬ A. — Mineralized float with reference letter
- □ ⊙ A. — Mineral occurrence in drillhole, with reference letter, and drillhole number
- ◩ Q ◪ — Mineral occurence with shaft location uncertain

DRILLHOLES

- ■ ●² — Location of single drillhole, with reference number
- ■ ◉² — Location of closely spaced group of drillholes, with reference number
- ■ (?)² — Drillhole, exact location uncertain, with reference number
- ■ ◡ — Property with underground drillholes in this general area with reference number
- □ ○² — Property with drillholes which have not been plotted on map, with reference number
- □ ⊕² — Reverse circulation drillhole; churn drilling, with reference number